SECTION-VII

INSTRUMENTATION CABLES

PRODUCTS

RE-Y(St)Y - SINGLE & MULTI-PAIR

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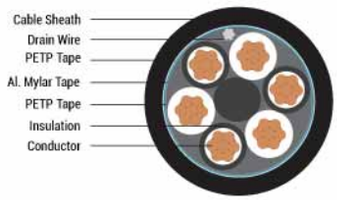

Standard

Adapted to EN 50288-7.

Cable Construction

Conductor : Annealed copper wires according to BS EN 60228
Insulation : Polyvinyl chloride PVC
Pairs : Twisted
Identification Pairs : Black & white, continuously numbered on white core (1, 2, 3...) for multi-element
Wrapping : 1 layer of PETP tape
Collective Screen : Aluminium / PETP tape over tinned copper drain wire
Cable Sheath : Polyvinyl Chloride PVC
Colour : Black. Blue for intrinsically safe system

Technical Data

Flame Propagation : EN 60332-1-2
Operating Temperature Range : -30°C to +70°C
Bending Radius : 7.5 x cable diameter
Operating Voltage : 500V
*Also available in 300V variant on request
Marking : RR KABEL RE-Y(St)Y nxmxa 500V EN50288-7 CE + 0001m
n - No. of pairs
m - Pairs
a - Cross sectional area

Electrical Properties

Conductor Cross Section (Sq.mm)	Class of Conductor	No. of Strands/ Max. Strand Diameter (mm)	Max. DC Conductor Resistance* at 20°C (Ω/km)	Max. L/R Ratio (µH/Ω)	Min. Insulation Resistance (GΩ x cm)	Max. Mutual Capacitance (nF/km)	Max. Inductance (mH/km)	Test Voltage V_{rms} (Core-Core)	Test Voltage V_{rms} (Core-Screen)
0.5	2	7/0.3	36	25	20	250	1	2000	2000
0.5	5	16/0.2	39	25	20	250	1	2000	2000
0.75	2	7/0.37	24.5	25	20	250	1	2000	2000
0.75	5	24/0.2	26	25	20	250	1	2000	2000
1	2	7/0.43	18.1	25	20	250	1	2000	2000
1	5	32/0.2	19.5	25	20	250	1	2000	2000
1.5	2	7/0.53	12.1	40	20	250	1	2000	2000
2.5	2	7/0.67	7.41	60	20	250	1	2000	2000

*For multi-pair maximum resistance shall be increased by 2%

Cable Design Parameters

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 5 Conductor	070150121050	1 x 2 x 0.5	0.44	1.0	6.4	48.2
	070150221050	2 x 2 x 0.5	0.44	1.0	7.7	74.2
	070150321050	3 x 2 x 0.5	0.44	1.1	9.0	100.8
	070150421050	4 x 2 x 0.5	0.44	1.1	10.1	126.5
	070150521050	5 x 2 x 0.5	0.44	1.2	11.1	151.8
	070150821050	8 x 2 x 0.5	0.44	1.3	13.6	225.5
	070151021050	10 x 2 x 0.5	0.44	1.3	15.0	274.0
	070151221050	12 x 2 x 0.5	0.44	1.4	16.2	321.9
	070151621050	16 x 2 x 0.5	0.44	1.4	18.4	416.1
	070152021050	20 x 2 x 0.5	0.44	1.5	20.4	510.0
	070152421050	24 x 2 x 0.5	0.44	1.6	22.2	603.1
	070150121075	1 x 2 x 0.75	0.44	1.0	6.8	56.7
	070150221075	2 x 2 x 0.75	0.44	1.1	8.3	89.5
	070150321075	3 x 2 x 0.75	0.44	1.1	9.7	122.9
	070150421075	4 x 2 x 0.75	0.44	1.2	10.9	155.8
	070150521075	5 x 2 x 0.75	0.44	1.2	12.0	188
	070150821075	8 x 2 x 0.75	0.44	1.3	14.7	282.2
	070151021075	10 x 2 x 0.75	0.44	1.4	16.2	345
	070151221075	12 x 2 x 0.75	0.44	1.4	17.6	406.3
	070151621075	16 x 2 x 0.75	0.44	1.5	20.0	527.7
	070152021075	20 x 2 x 0.75	0.44	1.6	22.2	649.5
	070152421075	24 x 2 x 0.75	0.44	1.6	24.1	769.0
	070150120001	1 x 2 x 1	0.44	1.0	7.1	64.1
	070150220001	2 x 2 x 1	0.44	1.1	8.7	103.4
	070150320001	3 x 2 x 1	0.44	1.1	10.2	143.1
	070150420001	4 x 2 x 1	0.44	1.2	11.5	182.2
	070150520001	5 x 2 x 1	0.44	1.2	12.6	220.5
	070150820001	8 x 2 x 1	0.44	1.3	15.5	333.8
	070151020001	10 x 2 x 1	0.44	1.4	17.1	408.9
	070151220001	12 x 2 x 1	0.44	1.4	18.6	482.3
	070151620001	16 x 2 x 1	0.44	1.5	21.2	629.0
	070152020001	20 x 2 x 1	0.44	1.6	23.5	776.5
	070152420001	24 x 2 x 1	0.44	1.7	25.5	920.3

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070120121050	1 x 2 x 0.5	0.44	1.0	6.4	48.0
	070120221050	2 x 2 x 0.5	0.44	1.0	7.7	73.9
	070120321050	3 x 2 x 0.5	0.44	1.1	9.0	100.4
	070120421050	4 x 2 x 0.5	0.44	1.1	10.1	125.9
	070120521050	5 x 2 x 0.5	0.44	1.2	11.1	151.2
	070120821050	8 x 2 x 0.5	0.44	1.3	13.6	224.5
	070121021050	10 x 2 x 0.5	0.44	1.3	15	272.7
	070121221050	12 x 2 x 0.5	0.44	1.4	16.2	320.4
	070121621050	16 x 2 x 0.5	0.44	1.4	18.4	414.1
	070122021050	20 x 2 x 0.5	0.44	1.5	20.4	507.5
	070122421050	24 x 2 x 0.5	0.44	1.6	22.2	600.1
	070120121075	1 x 2 x 0.75	0.44	1.0	6.8	56.7
	070120221075	2 x 2 x 0.75	0.44	1.1	8.3	89.5
	070120321075	3 x 2 x 0.75	0.44	1.1	9.7	123.4
	070120421075	4 x 2 x 0.75	0.44	1.2	10.9	155.9
	070120521075	5 x 2 x 0.75	0.44	1.2	12.0	188
	070120821075	8 x 2 x 0.75	0.44	1.3	14.7	282.4
	070121021075	10 x 2 x 0.75	0.44	1.4	16.3	345.1
	070121221075	12 x 2 x 0.75	0.44	1.4	17.6	406.4
	070121621075	16 x 2 x 0.75	0.44	1.5	20.1	527.9
	070122021075	20 x 2 x 0.75	0.44	1.6	22.2	649.7
	070122421075	24 x 2 x 0.75	0.44	1.6	24.2	769.4
	070120120001	1 x 2 x 1	0.44	1.0	7.2	65.2
	070120220001	2 x 2 x 1	0.44	1.1	8.8	105.6
	070120320001	3 x 2 x 1	0.44	1.1	10.4	146.7
	070120420001	4 x 2 x 1	0.44	1.2	11.7	186.8
	070120520001	5 x 2 x 1	0.44	1.2	12.9	226.1
	070120820001	8 x 2 x 1	0.44	1.3	15.8	342.3
	070121020001	10 x 2 x 1	0.44	1.4	17.4	419.3
	070121220001	12 x 2 x 1	0.44	1.5	19	495.5
	070121620001	16 x 2 x 1	0.44	1.6	21.6	646
	070122020001	20 x 2 x 1	0.44	1.6	23.9	796.2
	070122420001	24 x 2 x 1	0.44	1.7	26.0	945.0
	070120121105	1 x 2 x 1.5	0.44	1.0	7.9	81.9
	070120221105	2 x 2 x 1.5	0.44	1.1	9.7	136.4

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070120321105	3 x 2 x 1.5	0.44	1.2	11.5	191.5
	070120421105	4 x 2 x 1.5	0.44	1.2	13.0	246.0
	070120521105	5 x 2 x 1.5	0.44	1.3	14.3	299.7
	070120821105	8 x 2 x 1.5	0.44	1.4	17.7	457.6
	070121021105	10 x 2 x 1.5	0.44	1.5	19.5	563.2
	070121221105	12 x 2 x 1.5	0.44	1.5	21.2	666.6
	070121621105	16 x 2 x 1.5	0.44	1.6	24.2	872.3
	070122021105	20 x 2 x 1.5	0.44	1.7	26.8	1079.7
	070122421105	24 x 2 x 1.5	0.44	1.8	29.2	1283.9
	070120121205	1 x 2 x 2.5	0.53	1.1	9.3	113.8
	070120221205	2 x 2 x 2.5	0.53	1.2	11.5	195.3
	070120321205	3 x 2 x 2.5	0.53	1.3	13.6	278.3
	070120421205	4 x 2 x 2.5	0.53	1.3	15.5	360.2
	070120521205	5 x 2 x 2.5	0.53	1.4	17.1	441.1
	070120821205	8 x 2 x 2.5	0.53	1.5	21.1	680.6
	070121021205	10 x 2 x 2.5	0.53	1.6	23.4	840.3
	070121221205	12 x 2 x 2.5	0.53	1.7	25.5	998.3
	070121621205	16 x 2 x 2.5	0.53	1.8	29.1	1310.9
	070122021205	20 x 2 x 2.5	0.53	1.9	32.3	1627.1
	070122421205	24 x 2 x 2.5	0.53	2.1	35.2	1938.7

RE-Y(St)Y PiMF - MULTI-PAIR

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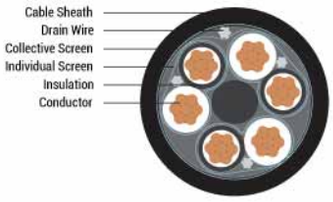

Standard

Adapted to EN 50288-7

Cable Construction

Conductor : Annealed copper wires according to BS EN 60228
Insulation : Polyvinyl Chloride PVC
Pairs : Twisted
Identification Pairs : Black & white, continuously numbered on white core (1, 2, 3...) for multi-element
Individual Screen : Aluminium / PETP tape over tinned copper drain wire, plastic tape under and above screen
Assembly : Concentric layers
Collective Screen : Aluminium / PETP tape over tinned copper drain wire
Cable Sheath : Polyvinyl chloride PVC
Colour : Black. Blue for intrinsically safe system

Technical Data

Flame Propagation : EN 60332-1-2
Operating Temperature Range : -30°C to +70°C
Bending Radius : 7.5 x cable diameter
Operating Voltage : 500V
*Also available in 300V variant on request.
Marking : RR KABEL RE-Y(St)Y PiMF nxmxa 500V EN50288-7 CE + 0001m
n - No. of pairs
m - Pairs
a - Cross sectional area

Electrical Properties

Conductor Cross Section (Sq.mm)	Class of Conductor	No. of Strands/ Max. Strand Diameter (mm)	Max. DC Conductor Resistance* at 20°C (Ω/km)	Max. L/R Ratio (µH/Ω)	Min. Insulation Resistance (GΩ x cm)	Max. Mutual Capacitance (nF/km)	Max. Inductance (mH/km)	Test Voltage V_{rms} (Core-Core)	Test Voltage V_{rms} (Core-Screen)
0.5	2	7/0.3	36.7	25	20	250	1	2000	2000
0.5	5	16/0.2	39.8	25	20	250	1	2000	2000
0.75	2	7/0.37	25.0	25	20	250	1	2000	2000
0.75	5	24/0.2	26.5	25	20	250	1	2000	2000
1	2	7/0.43	18.5	25	20	250	1	2000	2000
1	5	32/0.2	19.9	25	20	250	1	2000	2000
1.5	2	7/0.53	12.3	40	20	250	1	2000	2000
2.5	2	7/0.67	7.6	60	20	250	1	2000	2000

Cable Design Parameters

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 5 Conductor	070250221050	2 x 2 x 0.5	0.44	1.1	8.1	77
	070250321050	3 x 2 x 0.5	0.44	1.1	9.7	104.8
	070250421050	4 x 2 x 0.5	0.44	1.2	11	132.3
	070250521050	5 x 2 x 0.5	0.44	1.2	12.2	159.7
	070250821050	8 x 2 x 0.5	0.44	1.3	15.3	239.4
	070251021050	10 x 2 x 0.5	0.44	1.4	17.1	292.9
	070251221050	12 x 2 x 0.5	0.44	1.4	18.8	345.5
	070251621050	16 x 2 x 0.5	0.44	1.6	21.9	451.5
	070252021050	20 x 2 x 0.5	0.44	1.7	24.7	557.4
	070252421050	24 x 2 x 0.5	0.44	1.8	27.3	663.8
	070250221075	2 x 2 x 0.75	0.44	1.1	8.7	92.4
	070250321075	3 x 2 x 0.75	0.44	1.1	10.4	127.6
	070250421075	4 x 2 x 0.75	0.44	1.2	11.8	161.9
	070250521075	5 x 2 x 0.75	0.44	1.2	13.1	196.1
	070250821075	8 x 2 x 0.75	0.44	1.4	16.4	296.8
	070251021075	10 x 2 x 0.75	0.44	1.4	18.4	364.9
	070251221075	12 x 2 x 0.75	0.44	1.5	20.2	431
	070251621075	16 x 2 x 0.75	0.44	1.6	23.5	563.9
	070252021075	20 x 2 x 0.75	0.44	1.7	26.5	699.6
	070252421075	24 x 2 x 0.75	0.44	1.8	29.3	833.1
	070250220001	2 x 2 x 1	0.44	1.1	9.1	105.9
	070250320001	3 x 2 x 1	0.44	1.2	10.9	147.9
	070250420001	4 x 2 x 1	0.44	1.2	12.4	188.4
	070250520001	5 x 2 x 1	0.44	1.3	13.7	228.9
	070250820001	8 x 2 x 1	0.44	1.4	17.2	348.8
	070251020001	10 x 2 x 1	0.44	1.5	19.3	429.4
	070251220001	12 x 2 x 1	0.44	1.5	21.2	508.8
	070251620001	16 x 2 x 1	0.44	1.7	24.7	667.6
	070252020001	20 x 2 x 1	0.44	1.8	27.8	828.6
	070252420001	24 x 2 x 1	0.44	1.9	30.7	986.8

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070220221050	2 x 2 x 0.5	0.44	1.1	8.1	76.7
	070220321050	3 x 2 x 0.5	0.44	1.1	9.7	104.4
	070220421050	4 x 2 x 0.5	0.44	1.2	11.0	131.8
	070220521050	5 x 2 x 0.5	0.44	1.2	12.2	159.0
	070220821050	8 x 2 x 0.5	0.44	1.3	15.3	238.4
	070221021050	10 x 2 x 0.5	0.44	1.4	17.1	291.6
	070221221050	12 x 2 x 0.5	0.44	1.4	18.8	344.0
	070221621050	16 x 2 x 0.5	0.44	1.6	21.9	449.5
	070222021050	20 x 2 x 0.5	0.44	1.7	24.7	555.0
	070222421050	24 x 2 x 0.5	0.44	1.8	27.3	660.8
	070220221075	2 x 2 x 0.75	0.44	1.1	8.7	92.4
	070220321075	3 x 2 x 0.75	0.44	1.1	10.4	127.6
	070220421075	4 x 2 x 0.75	0.44	1.2	11.8	162.0
	070220521075	5 x 2 x 0.75	0.44	1.2	13.1	196.2
	070220821075	8 x 2 x 0.75	0.44	1.4	16.4	296.9
	070221021075	10 x 2 x 0.75	0.44	1.4	18.4	365.0
	070221221075	12 x 2 x 0.75	0.44	1.5	20.2	431.2
	070221621075	16 x 2 x 0.75	0.44	1.6	23.5	565.3
	070222021075	20 x 2 x 0.75	0.44	1.7	26.5	699.9
	070222421075	24 x 2 x 0.75	0.44	1.8	29.3	833.5
	070220220001	2 x 2 x 1	0.44	1.1	9.3	108.5
	070220320001	3 x 2 x 1	0.44	1.2	11.0	151.0
	070220420001	4 x 2 x 1	0.44	1.2	12.6	193.1
	070220520001	5 x 2 x 1	0.44	1.3	14.0	234.6
	070220820001	8 x 2 x 1	0.44	1.4	17.5	357.5
	070221020001	10 x 2 x 1	0.44	1.5	19.6	440.1
	070221220001	12 x 2 x 1	0.44	1.5	21.5	521.4
	070221620001	16 x 2 x 1	0.44	1.7	25.0	684.0
	070222020001	20 x 2 x 1	0.44	1.8	28.2	848.9
	070222420001	24 x 2 x 1	0.44	1.9	31.2	1012.4
	070220221105	2 x 2 x 1.5	0.44	1.1	10.2	139.0
	070220321105	3 x 2 x 1.5	0.44	1.2	12.2	196.6
	070220421105	4 x 2 x 1.5	0.44	1.3	13.9	252.7
	070220521105	5 x 2 x 1.5	0.44	1.3	15.4	308.7
	070220821105	8 x 2 x 1.5	0.44	1.5	19.4	473.9

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070221021105	10 x 2 x 1.5	0.44	1.6	21.7	585.5
	070221221105	12 x 2 x 1.5	0.44	1.6	23.8	695.5
	070221621105	16 x 2 x 1.5	0.44	1.8	27.7	914.4
	070222021105	20 x 2 x 1.5	0.44	1.9	31.2	1136.7
	070222421105	24 x 2 x 1.5	0.44	2.0	34.4	1357
	070220221205	2 x 2 x 2.5	0.53	1.2	11.9	198.7
	070220321205	3 x 2 x 2.5	0.53	1.3	14.3	283.3
	070220421205	4 x 2 x 2.5	0.53	1.4	16.3	367.6
	070220521205	5 x 2 x 2.5	0.53	1.4	18.2	451.1
	070220821205	8 x 2 x 2.5	0.53	1.6	22.8	698.8
	070221021205	10 x 2 x 2.5	0.53	1.7	25.5	865.5
	070221221205	12 x 2 x 2.5	0.53	1.8	28.0	1029.7
	070221621205	16 x 2 x 2.5	0.53	2.0	32.6	1358.9
	070222021205	20 x 2 x 2.5	0.53	2.1	36.6	1692.1
	070222421205	24 x 2 x 2.5	0.53	2.2	40.4	2022.3

RE-2X(St)Y - SINGLE & MULTI-PAIR

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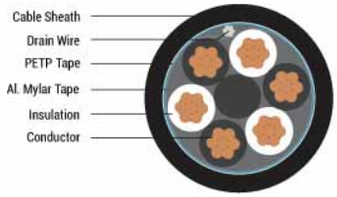

Standard

Adapted to EN 50288-7

Cable Construction

Conductor : Annealed copper wires according to BS EN 60228
Insulation : Crosslinked polyethylene XLPE
Pairs : Twisted
Identification Pairs : Black & white, continuously numbered on white core (1, 2, 3...) for multi-element
Collective Screen : Aluminium / PETP tape over tinned copper drain wire
Cable Sheath : Polyvinyl chloride PVC (Also available in halogen free construction on request.)
Colour : Black. Blue for intrinsically safe system

Technical Data

Flame Propagation : EN 60332-1-2
Operating Temperature Range : -30°C to +90°C
Bending Radius : 7.5 x cable diameter
Operating Voltage : 500V
*Also available in 300V variant on request.
Marking : RR KABEL RE-2X(St)Y nxmxa 500V EN50288-7 CE + 0001m
n - No. of pairs
m - Pairs
a - Cross sectional area

Electrical Properties

Conductor Cross Section (Sq.mm)	Class of Conductor	No. of Strands/ Max. Strand Diameter (mm)	Max. DC Conductor Resistance* at 20°C (Ω/km)	Max. L/R Ratio (µH/Ω)	Min. Insulation Resistance (GΩ x cm)	Max. Mutual Capacitance (nF/km)	Max. Inductance (mH/km)	Test Voltage V_{rms} (Core-Core)	Test Voltage V_{rms} (Core-Screen)
0.5	2	7/0.3	36.0	25	5000	150	1	2000	2000
0.5	5	16/0.2	39.0	25	5000	150	1	2000	2000
0.75	2	7/0.37	24.5	25	5000	150	1	2000	2000
0.75	5	24/0.2	26.0	25	5000	150	1	2000	2000
1	2	7/0.43	18.1	25	5000	150	1	2000	2000
1	5	32/0.2	19.5	25	5000	150	1	2000	2000
1.5	2	7/0.53	12.1	40	5000	150	1	2000	2000
2.5	2	7/0.67	7.41	60	5000	150	1	2000	2000

*For multi-pair maximum resistance shall be increased by 2%.

Cable Design Parameters

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 5 Conductor	070350121050	1 x 2 x 0.5	0.44	1.0	6.4	45.1
	070350221050	2 x 2 x 0.5	0.44	1.0	7.7	67.9
	070350321050	3 x 2 x 0.5	0.44	1.1	9.0	91.3
	070350421050	4 x 2 x 0.5	0.44	1.1	10.1	113.8
	070350521050	5 x 2 x 0.5	0.44	1.2	11.1	136.0
	070350821050	8 x 2 x 0.5	0.44	1.3	13.6	200.1
	070351021050	10 x 2 x 0.5	0.44	1.3	15.0	242.3
	070351221050	12 x 2 x 0.5	0.44	1.4	16.2	283.9
	070351621050	16 x 2 x 0.5	0.44	1.4	18.4	365.3
	070352021050	20 x 2 x 0.5	0.44	1.5	20.4	446.6
	070352421050	24 x 2 x 0.5	0.44	1.6	22.2	527.1
	070350121075	1 x 2 x 0.75	0.44	1.0	6.8	53.1
	070350221075	2 x 2 x 0.75	0.44	1.1	8.3	82.2
	070350321075	3 x 2 x 0.75	0.44	1.1	9.7	112.0
	070350421075	4 x 2 x 0.75	0.44	1.2	10.9	141.3
	070350521075	5 x 2 x 0.75	0.44	1.2	12.0	169.8
	070350821075	8 x 2 x 0.75	0.44	1.3	14.7	253.1
	070351021075	10 x 2 x 0.75	0.44	1.4	16.2	308.6
	070351221075	12 x 2 x 0.75	0.44	1.4	17.6	362.6
	070351621075	16 x 2 x 0.75	0.44	1.5	20.0	469.5
	070352021075	20 x 2 x 0.75	0.44	1.6	22.2	576.7
	070352421075	24 x 2 x 0.75	0.44	1.6	24.1	681.7
	070350120001	1 x 2 x 1	0.44	1.0	7.1	60.1
	070350220001	2 x 2 x 1	0.44	1.1	8.7	95.5
	070350320001	3 x 2 x 1	0.44	1.1	10.2	131.2
	070350420001	4 x 2 x 1	0.44	1.2	11.5	166.3
	070350520001	5 x 2 x 1	0.44	1.2	12.6	200.6
	070350820001	8 x 2 x 1	0.44	1.3	15.5	302.0
	070351020001	10 x 2 x 1	0.44	1.4	17.1	369.2
	070351220001	12 x 2 x 1	0.44	1.4	18.6	434.7
	070351620001	16 x 2 x 1	0.44	1.5	21.2	565.4
	070352020001	20 x 2 x 1	0.44	1.6	23.5	697.1
	070352420001	24 x 2 x 1	0.44	1.7	25.5	825.0

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070320121050	1 x 2 x 0.5	0.44	1.0	6.4	44.9
	070320221050	2 x 2 x 0.5	0.44	1.0	7.7	67.6
	070320321050	3 x 2 x 0.5	0.44	1.1	9.0	90.8
	070320421050	4 x 2 x 0.5	0.44	1.1	10.1	113.2
	070320521050	5 x 2 x 0.5	0.44	1.2	11.1	135.3
	070320821050	8 x 2 x 0.5	0.44	1.3	13.6	199
	070321021050	10 x 2 x 0.5	0.44	1.3	15.0	240.9
	070321221050	12 x 2 x 0.5	0.44	1.4	16.2	282.3
	070321621050	16 x 2 x 0.5	0.44	1.4	18.4	363.2
	070322021050	20 x 2 x 0.5	0.44	1.5	20.4	443.9
	070322421050	24 x 2 x 0.5	0.44	1.6	22.2	523.9
	070320121075	1 x 2 x 0.75	0.44	1.0	6.8	53
	070320221075	2 x 2 x 0.75	0.44	1.1	8.3	82.2
	070320321075	3 x 2 x 0.75	0.44	1.1	9.7	112.4
	070320421075	4 x 2 x 0.75	0.44	1.2	10.9	141.2
	070320521075	5 x 2 x 0.75	0.44	1.2	12.0	169.7
	070320821075	8 x 2 x 0.75	0.44	1.3	14.7	253
	070321021075	10 x 2 x 0.75	0.44	1.4	16.3	308.4
	070321221075	12 x 2 x 0.75	0.44	1.4	17.6	362.4
	070321621075	16 x 2 x 0.75	0.44	1.5	20.1	469.2
	070322021075	20 x 2 x 0.75	0.44	1.6	22.2	576.3
	070322421075	24 x 2 x 0.75	0.44	1.6	24.2	681.2
	070320120001	1 x 2 x 1	0.44	1.0	7.2	61.1
	070320220001	2 x 2 x 1	0.44	1.1	8.8	97.2
	070320320001	3 x 2 x 1	0.44	1.1	10.4	134.2
	070320420001	4 x 2 x 1	0.44	1.2	11.7	170.1
	070320520001	5 x 2 x 1	0.44	1.2	12.9	205.2
	070320820001	8 x 2 x 1	0.44	1.3	15.8	308.9
	070321020001	10 x 2 x 1	0.44	1.4	17.4	377.7
	070321220001	12 x 2 x 1	0.44	1.5	19.0	445.5
	070321620001	16 x 2 x 1	0.44	1.6	21.6	579.4
	070322020001	20 x 2 x 1	0.44	1.6	23.9	712.9
	070322420001	24 x 2 x 1	0.44	1.7	26.0	845
	070320121105	1 x 2 x 1.5	0.44	1.0	7.9	76.8
	070320221105	2 x 2 x 1.5	0.44	1.1	9.7	126.3

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070320321105	3 x 2 x 1.5	0.44	1.2	11.5	176.3
	070320421105	4 x 2 x 1.5	0.44	1.2	13.0	225.7
	070320521105	5 x 2 x 1.5	0.44	1.3	14.3	274.3
	070320821105	8 x 2 x 1.5	0.44	1.4	17.7	417
	070321021105	10 x 2 x 1.5	0.44	1.5	19.5	512.4
	070321221105	12 x 2 x 1.5	0.44	1.5	21.2	605.6
	070321621105	16 x 2 x 1.5	0.44	1.6	24.2	791
	070322021105	20 x 2 x 1.5	0.44	1.7	26.8	978.1
	070322421105	24 x 2 x 1.5	0.44	1.8	29.2	1162
	070320121205	1 x 2 x 2.5	0.53	1.1	9.3	106.4
	070320221205	2 x 2 x 2.5	0.53	1.2	11.5	180.6
	070320321205	3 x 2 x 2.5	0.53	1.3	13.6	256.2
	070320421205	4 x 2 x 2.5	0.53	1.3	15.5	330.7
	070320521205	5 x 2 x 2.5	0.53	1.4	17.1	404.3
	070320821205	8 x 2 x 2.5	0.53	1.5	21.1	621.6
	070321021205	10 x 2 x 2.5	0.53	1.6	23.4	766.7
	070321221205	12 x 2 x 2.5	0.53	1.7	25.5	909.9
	070321621205	16 x 2 x 2.5	0.53	1.8	29.1	1193.1
	070322021205	20 x 2 x 2.5	0.53	1.9	32.3	1479.8
	070322421205	24 x 2 x 2.5	0.53	2.1	35.2	1762.0

RE-2X(St)Y PiMF - MULTI-PAIR

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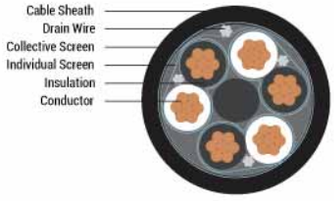

Standard

Adapted to EN 50288-7

Cable Construction

Conductor : Annealed copper wires according to BS EN 60228
Insulation : Crosslinked polyethylene XLPE
Pairs : Twisted
Identification Pairs : Black & white, continuously numbered on white core (1, 2, 3...) for multi-element
Individual Screen : Aluminium / PETP tape over tinned copper drain wire, plastic tape under and above screen
Assembly : Concentric layers
Collective Screen : Aluminium / PETP tape over tinned copper drain wire
Cable Sheath : Polyvinyl chloride PVC (Also available in halogen free construction on request.)
Colour : Black. Blue for intrinsically safe system

Technical Data

Flame Propagation : EN 60332-1-2
Operating Temperature Range :-30°C to +90°C
Bending Radius : 7.5 x cable diameter
Operating Voltage : 500V
*Also available in 300V variant on request.
Marking : RR KABEL RE-2X(St)Y PiMF nxmxa 500V EN50288-7 CE + 0001m
n - No. of pairs
m - Pairs
a - Cross sectional area

Electrical Properties

Conductor Cross Section (Sq.mm)	Class of Conductor	No. of Strands/ Max. Strand Diameter (mm)	Max. DC Conductor Resistance* at 20°C (Ω/km)	Max. L/R Ratio (µH/Ω)	Min. Insulation Resistance (GΩ x cm)	Max. Mutual Capacitance (nF/km)	Max. Inductance (mH/km)	Test Voltage V_{rms} (Core-Core)	Test Voltage V_{rms} (Core-Screen)
0.5	2	7/0.3	36.7	25	5000	150	1	2000	2000
0.5	5	16/0.2	39.8	25	5000	150	1	2000	2000
0.75	2	7/0.37	25	25	5000	150	1	2000	2000
0.75	5	24/0.2	26.5	25	5000	150	1	2000	2000
1	2	7/0.43	18.5	25	5000	150	1	2000	2000
1	5	32/0.2	19.9	25	5000	150	1	2000	2000
1.5	2	7/0.53	12.3	40	5000	150	1	2000	2000
2.5	2	7/0.67	7.6	60	5000	150	1	2000	2000

Cable Design Parameters

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 5 Conductor	070450221050	2 x 2 x 0.5	0.44	1.1	8.1	70.7
	070450321050	3 x 2 x 0.5	0.44	1.1	9.7	95.3
	070450421050	4 x 2 x 0.5	0.44	1.2	11.0	119.6
	070450521050	5 x 2 x 0.5	0.44	1.2	12.2	143.9
	070450821050	8 x 2 x 0.5	0.44	1.3	15.3	214.1
	070451021050	10 x 2 x 0.5	0.44	1.4	17.1	261.2
	070451221050	12 x 2 x 0.5	0.44	1.4	18.8	307.5
	070451621050	16 x 2 x 0.5	0.44	1.6	21.9	400.8
	070452021050	20 x 2 x 0.5	0.44	1.7	24.7	494.1
	070452421050	24 x 2 x 0.5	0.44	1.8	27.3	587.8
	070450221075	2 x 2 x 0.75	0.44	1.1	8.7	85.1
	070450321075	3 x 2 x 0.75	0.44	1.1	10.4	116.6
	070450421075	4 x 2 x 0.75	0.44	1.2	11.8	147.3
	070450521075	5 x 2 x 0.75	0.44	1.2	13.1	177.9
	070450821075	8 x 2 x 0.75	0.44	1.4	16.4	267.7
	070451021075	10 x 2 x 0.75	0.44	1.4	18.4	328.5
	070451221075	12 x 2 x 0.75	0.44	1.5	20.2	387.3
	070451621075	16 x 2 x 0.75	0.44	1.6	23.5	505.6
	070452021075	20 x 2 x 0.75	0.44	1.7	26.5	626.8
	070452421075	24 x 2 x 0.75	0.44	1.8	29.3	745.7
	070450220001	2 x 2 x 1	0.44	1.1	9.1	98.0
	070450320001	3 x 2 x 1	0.44	1.2	10.9	135.9
	070450420001	4 x 2 x 1	0.44	1.2	12.4	172.6
	070450520001	5 x 2 x 1	0.44	1.3	13.7	209.0
	070450820001	8 x 2 x 1	0.44	1.4	17.2	317.0
	070451020001	10 x 2 x 1	0.44	1.5	19.3	389.7
	070451220001	12 x 2 x 1	0.44	1.5	21.2	461.2
	070451620001	16 x 2 x 1	0.44	1.7	24.7	604.1
	070452020001	20 x 2 x 1	0.44	1.8	27.8	749.2
	070452420001	24 x 2 x 1	0.44	1.9	30.7	891.5

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070420221050	2 x 2 x 0.5	0.44	1.1	8.1	70.3
	070420321050	3 x 2 x 0.5	0.44	1.1	9.7	94.9
	070420421050	4 x 2 x 0.5	0.44	1.2	11.0	119.1
	070420521050	5 x 2 x 0.5	0.44	1.2	12.2	143.1
	070420821050	8 x 2 x 0.5	0.44	1.3	15.3	213.0
	070421021050	10 x 2 x 0.5	0.44	1.4	17.1	259.9
	070421221050	12 x 2 x 0.5	0.44	1.4	18.8	305.8
	070421621050	16 x 2 x 0.5	0.44	1.6	21.9	398.6
	070422021050	20 x 2 x 0.5	0.44	1.7	24.7	491.4
	070422421050	24 x 2 x 0.5	0.44	1.8	27.3	584.6
	070420221075	2 x 2 x 0.75	0.44	1.1	8.7	85.0
	070420321075	3 x 2 x 0.75	0.44	1.1	10.4	116.6
	070420421075	4 x 2 x 0.75	0.44	1.2	11.8	147.3
	070420521075	5 x 2 x 0.75	0.44	1.2	13.1	177.8
	070420821075	8 x 2 x 0.75	0.44	1.4	16.4	267.5
	070421021075	10 x 2 x 0.75	0.44	1.4	18.4	328.3
	070421221075	12 x 2 x 0.75	0.44	1.5	20.2	387.1
	070421621075	16 x 2 x 0.75	0.44	1.6	23.5	506.5
	070422021075	20 x 2 x 0.75	0.44	1.7	26.5	626.5
	070422421075	24 x 2 x 0.75	0.44	1.8	29.3	745.3
	070420220001	2 x 2 x 1	0.44	1.1	9.3	100.2
	070420320001	3 x 2 x 1	0.44	1.2	11.0	138.5
	070420420001	4 x 2 x 1	0.44	1.2	12.6	176.5
	070420520001	5 x 2 x 1	0.44	1.3	14.0	213.7
	070420820001	8 x 2 x 1	0.44	1.4	17.5	324.1
	070421020001	10 x 2 x 1	0.44	1.5	19.6	398.4
	070421220001	12 x 2 x 1	0.44	1.5	21.5	471.4
	070421620001	16 x 2 x 1	0.44	1.7	25.0	617.4
	070422020001	20 x 2 x 1	0.44	1.8	28.2	765.6
	070422420001	24 x 2 x 1	0.44	1.9	31.2	912.4
	070420221105	2 x 2 x 1.5	0.44	1.1	10.2	128.9
	070420321105	3 x 2 x 1.5	0.44	1.2	12.2	181.4
	070420421105	4 x 2 x 1.5	0.44	1.3	13.9	232.4
	070420521105	5 x 2 x 1.5	0.44	1.3	15.4	283.3
	070420821105	8 x 2 x 1.5	0.44	1.5	19.4	433.2

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070421021105	10 x 2 x 1.5	0.44	1.6	21.7	534.7
	070421221105	12 x 2 x 1.5	0.44	1.6	23.8	634.5
	070421621105	16 x 2 x 1.5	0.44	1.8	27.7	833.2
	070422021105	20 x 2 x 1.5	0.44	1.9	31.2	1035.1
	070422421105	24 x 2 x 1.5	0.44	2.0	34.4	1235.1
	070420221205	2 x 2 x 2.5	0.53	1.2	11.9	184.0
	070420321205	3 x 2 x 2.5	0.53	1.3	14.3	261.2
	070420421205	4 x 2 x 2.5	0.53	1.4	16.3	338.1
	070420521205	5 x 2 x 2.5	0.53	1.4	18.2	414.3
	070420821205	8 x 2 x 2.5	0.53	1.6	22.8	639.9
	070421021205	10 x 2 x 2.5	0.53	1.7	25.5	791.8
	070421221205	12 x 2 x 2.5	0.53	1.8	28.0	941.4
	070421621205	16 x 2 x 2.5	0.53	2.0	32.6	1241.1
	070422021205	20 x 2 x 2.5	0.53	2.1	36.6	1544.8
	070422421205	24 x 2 x 2.5	0.53	2.2	40.4	1845.5

RE-Y(St)YSWAY - SINGLE & MULTI-PAIR

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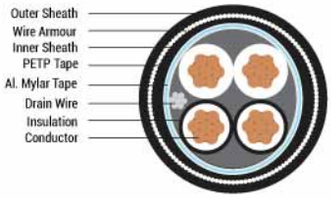


Standard

Adapted to EN 50288-7

Cable Construction

Conductor : Annealed copper wires according to BS EN 60228
Insulation : Polyvinyl chloride PVC
Pairs : Twisted
Identification Pairs : Black & white, continuously numbered on white core (1, 2, 3...) for multi-element
Wrapping : 1 layer of PETP tape
Collective Screen : Aluminium / PETP tape over tinned copper drain wire
Inner Sheath : Polyvinyl chloride PVC
Armour : Galvanised round steel wires
Cable Sheath : Polyvinyl chloride PVC
Colour : Black. Blue for intrinsically safe system

Technical Data

Flame Propagation : EN 60332-1-2
Operating Temperature Range : -30°C to +70°C
Bending Radius : 10 x cable diameter
Operating Voltage : 500V
*Also available in 300V variant on request.
Marking : RR KABEL RE-Y(St)YSWAY nxmxa 500V EN50288-7 CE + 0001m
n - No. of pairs
m - Pairs
a - Cross sectional area

Electrical Properties

Conductor Cross Section (Sq.mm)	Class of Conductor	No. of Strands/ Max. Strand Diameter (mm)	Max. DC Conductor Resistance* at 20°C (Ω/km)	Max. L/R Ratio (µH/Ω)	Min. Insulation Resistance (GΩ x cm)	Max. Mutual Capacitance (nF/km)	Max. Inductance (mH/km)	Test Voltage V_{rms} (Core-Core)	Test Voltage V_{rms} (Core-Screen)
0.5	2	7/0.3	36.0	25	20	250	1	2000	2000
0.5	5	16/0.2	39.0	25	20	250	1	2000	2000
0.75	2	7/0.37	24.5	25	20	250	1	2000	2000
0.75	5	24/0.2	26.0	25	20	250	1	2000	2000
1	2	7/0.43	18.1	25	20	250	1	2000	2000
1	5	32/0.2	19.5	25	20	250	1	2000	2000
1.5	2	7/0.53	12.1	40	20	250	1	2000	2000
2.5	2	7/0.67	7.41	60	20	250	1	2000	2000

*For multi-pair maximum resistance shall be increased by 2%.

Cable Design Parameters

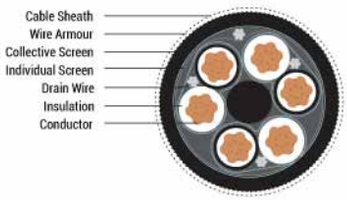
	Part Number	No. of Pairs & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 5 Conductor	070550121050	1 x 2 x 0.5	0.44	1	6.4	0.9	1.4	11.1	212.7
	070550221050	2 x 2 x 0.5	0.44	1	7.6	0.9	1.5	12.4	266.4
	070550321050	3 x 2 x 0.5	0.44	1	8.9	0.9	1.5	13.7	320.1
	070550421050	4 x 2 x 0.5	0.44	1	9.9	0.9	1.5	14.7	368.6
	070550521050	5 x 2 x 0.5	0.44	1	10.8	0.9	1.6	15.7	413.8
	070550821050	8 x 2 x 0.5	0.44	1	13.1	0.9	1.6	18.1	537.2
	070551021050	10 x 2 x 0.5	0.44	1	14.4	0.9	1.7	19.5	613.5
	070551221050	12 x 2 x 0.5	0.44	1	15.5	1.25	1.7	21.4	786.1
	070551621050	16 x 2 x 0.5	0.44	1	17.6	1.25	1.8	23.6	936.9
	070552021050	20 x 2 x 0.5	0.44	1	19.4	1.25	1.8	25.5	1080.4
	070552421050	24 x 2 x 0.5	0.44	1	21.0	1.25	1.9	27.2	1217.3
	070550121075	1 x 2 x 0.75	0.44	1	6.8	0.9	1.4	11.5	230.0
	070550221075	2 x 2 x 0.75	0.44	1	8.2	0.9	1.5	12.9	293.3
	070550321075	3 x 2 x 0.75	0.44	1	9.5	0.9	1.5	14.3	356.6
	070550421075	4 x 2 x 0.75	0.44	1	10.6	0.9	1.5	15.5	414.1
	070550521075	5 x 2 x 0.75	0.44	1	11.6	0.9	1.6	16.6	468.0
	070550821075	8 x 2 x 0.75	0.44	1	14.1	0.9	1.6	19.2	616.4
	070551021075	10 x 2 x 0.75	0.44	1	15.5	1.25	1.7	21.4	809.1
	070551221075	12 x 2 x 0.75	0.44	1	16.8	1.25	1.7	22.8	905.3
	070551621075	16 x 2 x 0.75	0.44	1	19.0	1.25	1.8	25.1	1088.2
	070552021075	20 x 2 x 0.75	0.44	1	21.0	1.25	1.9	27.2	1263.5
	070552421075	24 x 2 x 0.75	0.44	1	22.8	1.25	1.9	29.1	1431.3
	070550120001	1 x 2 x 1	0.44	1	7.1	0.9	1.4	11.8	244.2
	070550220001	2 x 2 x 1	0.44	1	8.5	0.9	1.5	13.3	315.6
	070550320001	3 x 2 x 1	0.44	1	10.0	0.9	1.5	14.8	387.2
	070550420001	4 x 2 x 1	0.44	1	11.2	0.9	1.6	16.1	452.6
	070550520001	5 x 2 x 1	0.44	1	12.2	0.9	1.6	17.2	514.2
	070550820001	8 x 2 x 1	0.44	1	14.9	0.9	1.7	20.0	684.7
	070551020001	10 x 2 x 1	0.44	1	16.4	1.25	1.7	22.3	897.2
	070551220001	12 x 2 x 1	0.44	1	17.7	1.25	1.8	23.8	1008.1
	070551620001	16 x 2 x 1	0.44	1	20.1	1.25	1.8	26.3	1219.5
	070552020001	20 x 2 x 1	0.44	1	22.3	1.25	1.9	28.5	1423.3
	070552420001	24 x 2 x 1	0.44	1	24.2	1.25	1.9	30.6	1618.8

	Part Number	No. of Pairs & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070520121050	1 x 2 x 0.5	0.44	1	6.4	0.9	1.4	11.1	212.5
	070520221050	2 x 2 x 0.5	0.44	1	7.6	0.9	1.5	12.4	266.1
	070520321050	3 x 2 x 0.5	0.44	1	8.9	0.9	1.5	13.7	319.7
	070520421050	4 x 2 x 0.5	0.44	1	9.9	0.9	1.5	14.7	368.1
	070520521050	5 x 2 x 0.5	0.44	1	10.8	0.9	1.6	15.7	413.1
	070520821050	8 x 2 x 0.5	0.44	1	13.1	0.9	1.6	18.1	536.2
	070521021050	10 x 2 x 0.5	0.44	1	14.4	0.9	1.7	19.5	612.2
	070521221050	12 x 2 x 0.5	0.44	1	15.5	1.25	1.7	21.4	784.6
	070521621050	16 x 2 x 0.5	0.44	1	17.6	1.25	1.8	23.6	934.9
	070522021050	20 x 2 x 0.5	0.44	1	19.4	1.25	1.8	25.5	1077.9
	070522421050	24 x 2 x 0.5	0.44	1	21.0	1.25	1.9	27.2	1214.3
	070520121075	1 x 2 x 0.75	0.44	1	6.8	0.9	1.4	11.5	230.4
	070520221075	2 x 2 x 0.75	0.44	1	8.2	0.9	1.5	12.9	293.7
	070520321075	3 x 2 x 0.75	0.44	1	9.5	0.9	1.5	14.3	357.1
	070520421075	4 x 2 x 0.75	0.44	1	10.6	0.9	1.5	15.5	414.8
	070520521075	5 x 2 x 0.75	0.44	1	11.6	0.9	1.6	16.6	468.8
	070520821075	8 x 2 x 0.75	0.44	1	14.1	0.9	1.6	19.2	617.4
	070521021075	10 x 2 x 0.75	0.44	1	15.6	1.25	1.7	21.5	810.5
	070521221075	12 x 2 x 0.75	0.44	1	16.8	1.25	1.7	22.8	906.9
	070521621075	16 x 2 x 0.75	0.44	1	19.1	1.25	1.8	25.2	1090.0
	070522021075	20 x 2 x 0.75	0.44	1	21.1	1.25	1.9	27.3	1265.6
	070522421075	24 x 2 x 0.75	0.44	1	22.9	1.25	1.9	29.2	1433.6
	070520120001	1 x 2 x 1	0.44	1	7.2	0.9	1.4	11.7	241.9
	070520220001	2 x 2 x 1	0.44	1	8.7	0.9	1.5	13.5	320.4
	070520320001	3 x 2 x 1	0.44	1	10.1	0.9	1.5	15.0	393.4
	070520420001	4 x 2 x 1	0.44	1	11.4	0.9	1.6	16.3	460.2
	070520520001	5 x 2 x 1	0.44	1	12.4	0.9	1.6	17.4	523.0
	070520820001	8 x 2 x 1	0.44	1	15.1	1.25	1.7	21.0	794.7
	070521020001	10 x 2 x 1	0.44	1	16.7	1.25	1.7	22.6	913.4
	070521220001	12 x 2 x 1	0.44	1	18.1	1.25	1.8	24.1	1026.4
	070521620001	16 x 2 x 1	0.44	1	20.5	1.25	1.8	26.7	1242.1
	070522020001	20 x 2 x 1	0.44	1	22.7	1.25	1.9	29.0	1449.9
	070522420001	24 x 2 x 1	0.44	1	24.6	1.25	2.0	31.0	1649.4

	Part Number	No. of Pairs & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070520121105	1 x 2 x 1.5	0.44	1	7.9	0.9	1.5	12.6	278.7
	070520221105	2 x 2 x 1.5	0.44	1	9.5	0.9	1.5	14.4	369.8
	070520321105	3 x 2 x 1.5	0.44	1	11.2	0.9	1.6	16.1	461.2
	070520421105	4 x 2 x 1.5	0.44	1	12.6	0.9	1.6	17.6	545.4
	070520521105	5 x 2 x 1.5	0.44	1	13.8	0.9	1.6	18.9	625.2
	070520821105	8 x 2 x 1.5	0.44	1	16.9	1.25	1.7	22.8	956.4
	070521021105	10 x 2 x 1.5	0.44	1	18.6	1.25	1.8	24.7	1108.5
	070521221105	12 x 2 x 1.5	0.44	1	20.1	1.25	1.8	26.3	1253.9
	070521621105	16 x 2 x 1.5	0.44	1	22.9	1.25	1.9	29.2	1532.9
	070522021105	20 x 2 x 1.5	0.44	1	25.4	1.6	2.0	32.6	1964.5
	070522421105	24 x 2 x 1.5	0.44	1.2	28.0	1.6	2.1	35.3	2282.1
	070520121205	1 x 2 x 2.5	0.53	1	9.1	0.9	1.5	13.9	338.1
	070520221205	2 x 2 x 2.5	0.53	1	11.1	0.9	1.6	16.1	464.0
	070520321205	3 x 2 x 2.5	0.53	1	13.1	0.9	1.6	18.2	590.4
	070520421205	4 x 2 x 2.5	0.53	1	14.8	0.9	1.7	20.0	708.2
	070520521205	5 x 2 x 2.5	0.53	1	16.3	1.25	1.7	22.3	925.5
	070520821205	8 x 2 x 2.5	0.53	1	20.1	1.25	1.8	26.2	1265.4
	070521021205	10 x 2 x 2.5	0.53	1	22.2	1.25	1.9	28.4	1481.4
	070521221205	12 x 2 x 2.5	0.53	1	24.1	1.25	1.9	30.5	1688.8
	070521621205	16 x 2 x 2.5	0.53	1.2	27.9	1.6	2.1	35.2	2306.2
	070522021205	20 x 2 x 2.5	0.53	1.2	30.8	1.6	2.2	38.3	2719.3
	070522421205	24 x 2 x 2.5	0.53	1.2	33.5	1.6	2.2	41.2	3117.3

RE-Y(St)YSWAY PiMF - MULTI-PAIR

REACH I RoHS I CE



Standard

Adapted to EN 50288-7

Cable Construction

Conductor : Annealed copper wires according to BS EN 60228
Insulation : Polyvinyl chloride PVC
Pairs : Twisted
Identification Pairs : Black & white, continuously numbered on white core (1, 2, 3...) for multi-element
Individual Screen : Aluminium / PETP tape over tinned copper drain wire, plastic tape under and above screen
Assembly : Concentric layers
Collective Screen : Aluminium / PETP tape over tinned copper drain wire
Inner Sheath : Polyvinyl chloride PVC
Armour : Galvanised round steel wires
Cable Sheath : Polyvinyl chloride PVC
Colour : Black. Blue for intrinsically safe system

Technical Data

Flame Propagation : EN 60332-1-2
Operating Temperature Range : -30°C to +70°C
Bending Radius : 10 x cable diameter
Operating Voltage : 500V
*Also available in 300V variant on request.
Marking : RR KABEL RE-Y(St)YSWAY PiMF nxmxa 500V EN50288-7 CE + 0001m
n - No. of pairs
m - Pairs
a - Cross sectional area

Electrical Properties

Conductor Cross Section (Sq.mm)	Class of Conductor	No. of Strands/ Max. Strand Diameter (mm)	Max. DC Conductor Resistance* at 20°C (Ω/km)	Max. L/R Ratio (µH/Ω)	Min. Insulation Resistance (GΩ x cm)	Max. Mutual Capacitance (nF/km)	Max. Inductance (mH/km)	Test Voltage V_{rms} (Core-Core)	Test Voltage V_{rms} (Core-Screen)
0.5	2	7/0.3	36.0	25	20	250	1	2000	2000
0.5	5	16/0.2	39.0	25	20	250	1	2000	2000
0.75	2	7/0.37	24.5	25	20	250	1	2000	2000
0.75	5	24/0.2	26.0	25	20	250	1	2000	2000
1	2	7/0.43	18.1	25	20	250	1	2000	2000
1	5	32/0.2	19.5	25	20	250	1	2000	2000
1.5	2	7/0.53	12.1	40	20	250	1	2000	2000
2.5	2	7/0.67	7.41	60	20	250	1	2000	2000

*For multi-pair maximum resistance shall be increased by 2%.

Cable Design Parameters

	Part Number	No. of Pairs & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 5 Conductor	070650221050	2 x 2 x 0.5	0.44	1	8.0	0.9	1.5	12.8	277.9
	070650321050	3 x 2 x 0.5	0.44	1	9.5	0.9	1.5	14.3	337.6
	070650421050	4 x 2 x 0.5	0.44	1	10.7	0.9	1.5	15.6	392.2
	070650521050	5 x 2 x 0.5	0.44	1	11.8	0.9	1.6	16.8	443.6
	070650821050	8 x 2 x 0.5	0.44	1	14.7	0.9	1.7	19.8	585.9
	070651021050	10 x 2 x 0.5	0.44	1	16.4	1.25	1.7	22.3	780.5
	070651221050	12 x 2 x 0.5	0.44	1	17.9	1.25	1.8	24	875.9
	070651621050	16 x 2 x 0.5	0.44	1	20.8	1.25	1.9	27	1058.7
	070652021050	20 x 2 x 0.5	0.44	1	23.4	1.25	1.9	29.7	1235.1
	070652421050	24 x 2 x 0.5	0.44	1	25.8	1.6	2.0	33.1	1569.3
	070650221075	2 x 2 x 0.75	0.44	1	8.6	0.9	1.5	13.3	304.8
	070650321075	3 x 2 x 0.75	0.44	1	10.1	0.9	1.5	15	374.2
	070650421075	4 x 2 x 0.75	0.44	1	11.4	0.9	1.6	16.4	437.9
	070650521075	5 x 2 x 0.75	0.44	1	12.6	0.9	1.6	17.6	498.0
	070650821075	8 x 2 x 0.75	0.44	1	15.7	1.25	1.7	21.6	766.9
	070651021075	10 x 2 x 0.75	0.44	1	17.5	1.25	1.8	23.5	883.8
	070651221075	12 x 2 x 0.75	0.44	1	19.2	1.25	1.8	25.3	995.9
	070651621075	16 x 2 x 0.75	0.44	1	22.2	1.25	1.9	28.5	1211.3
	070652021075	20 x 2 x 0.75	0.44	1	25.0	1.25	2.0	31.5	1420.1
	070652421075	24 x 2 x 0.75	0.44	1.2	28.0	1.6	2.1	35.4	1840.1
	070650220001	2 x 2 x 1	0.44	1	8.9	0.9	1.5	13.7	327.3
	070650320001	3 x 2 x 1	0.44	1	10.6	0.9	1.5	15.5	404.9
	070650420001	4 x 2 x 1	0.44	1	12.0	0.9	1.6	16.9	476.5
	070650520001	5 x 2 x 1	0.44	1	13.2	0.9	1.6	18.3	544.4
	070650820001	8 x 2 x 1	0.44	1	16.5	1.25	1.7	22.4	840.3
	070651020001	10 x 2 x 1	0.44	1	18.4	1.25	1.8	24.4	972.4
	070651220001	12 x 2 x 1	0.44	1	20.1	1.25	1.8	26.3	1099.3
	070651620001	16 x 2 x 1	0.44	1	23.3	1.25	1.9	29.7	1343.6
	070652020001	20 x 2 x 1	0.44	1	26.3	1.6	2.0	33.5	1747.4
	070652420001	24 x 2 x 1	0.44	1.2	29.4	1.6	2.1	36.8	2039.0

	Part Number	No. of Pairs & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070620221050	2 x 2 x 0.5	0.44	1	8.0	0.9	1.5	12.8	277.6
	070620321050	3 x 2 x 0.5	0.44	1	9.5	0.9	1.5	14.3	337.2
	070620421050	4 x 2 x 0.5	0.44	1	10.7	0.9	1.5	15.6	391.7
	070620521050	5 x 2 x 0.5	0.44	1	11.8	0.9	1.6	16.8	442.9
	070620821050	8 x 2 x 0.5	0.44	1	14.7	0.9	1.7	19.8	584.9
	070621021050	10 x 2 x 0.5	0.44	1	16.4	1.25	1.7	22.3	779.2
	070621221050	12 x 2 x 0.5	0.44	1	17.9	1.25	1.8	24.0	874.4
	070621621050	16 x 2 x 0.5	0.44	1	20.8	1.25	1.9	27.0	1056.7
	070622021050	20 x 2 x 0.5	0.44	1	23.4	1.25	1.9	29.7	1232.6
	070622421050	24 x 2 x 0.5	0.44	1	25.8	1.6	2.0	33.1	1566.3
	070620221075	2 x 2 x 0.75	0.44	1	8.6	0.9	1.5	13.4	305.3
	070620321075	3 x 2 x 0.75	0.44	1	10.1	0.9	1.5	15.0	374.7
	070620421075	4 x 2 x 0.75	0.44	1	11.4	0.9	1.6	16.4	438.5
	070620521075	5 x 2 x 0.75	0.44	1	12.6	0.9	1.6	17.7	498.8
	070620821075	8 x 2 x 0.75	0.44	1	15.7	1.25	1.7	21.7	768.1
	070621021075	10 x 2 x 0.75	0.44	1	17.6	1.25	1.8	23.6	885.2
	070621221075	12 x 2 x 0.75	0.44	1	19.2	1.25	1.8	25.3	997.5
	070621621075	16 x 2 x 0.75	0.44	1	22.3	1.25	1.9	28.6	1213.2
	070622021075	20 x 2 x 0.75	0.44	1	25.1	1.6	2.0	32.3	1581.2
	070622421075	24 x 2 x 0.75	0.44	1.2	28.1	1.6	2.1	35.4	1842.9
	070620220001	2 x 2 x 1	0.44	1	9.1	0.9	1.5	13.9	332
	070620320001	3 x 2 x 1	0.44	1	10.7	0.9	1.6	15.6	411.1
	070620420001	4 x 2 x 1	0.44	1	12.2	0.9	1.6	17.1	484.1
	070620520001	5 x 2 x 1	0.44	1	13.4	0.9	1.6	18.5	553.2
	070620820001	8 x 2 x 1	0.44	1	16.7	1.25	1.7	22.7	854.2
	070621020001	10 x 2 x 1	0.44	1	18.7	1.25	1.8	24.8	988.7
	070621220001	12 x 2 x 1	0.44	1	20.5	1.25	1.8	26.6	1117.8
	070621620001	16 x 2 x 1	0.44	1	23.7	1.25	1.9	30.1	1366.6
	070622020001	20 x 2 x 1	0.44	1	26.7	1.6	2.0	33.9	1777.1
	070622420001	24 x 2 x 1	0.44	1.2	29.8	1.6	2.1	37.3	2073.4
	070620221105	2 x 2 x 1.5	0.44	1	9.9	0.9	1.5	14.8	381.6
	070620321105	3 x 2 x 1.5	0.44	1	11.8	0.9	1.6	16.7	479
	070620421105	4 x 2 x 1.5	0.44	1	13.4	0.9	1.6	18.4	569.6

	Part Number	No. of Pairs & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070620521105	5 x 2 x 1.5	0.44	1	14.8	0.9	1.7	19.9	655.8
	070620821105	8 x 2 x 1.5	0.44	1	18.5	1.25	1.8	24.5	1016.7
	070621021105	10 x 2 x 1.5	0.44	1	20.6	1.25	1.8	26.8	1184.9
	070621221105	12 x 2 x 1.5	0.44	1	22.5	1.25	1.9	28.8	1346.7
	070621621105	16 x 2 x 1.5	0.44	1	26.1	1.6	2	33.4	1824.9
	070622021105	20 x 2 x 1.5	0.44	1.2	29.8	1.6	2.1	37.2	2195.6
	070622421105	24 x 2 x 1.5	0.44	1.2	32.8	1.6	2.2	40.4	2513.8
	070620221205	2 x 2 x 2.5	0.53	1	11.5	0.9	1.6	16.5	475.9
	070620321205	3 x 2 x 2.5	0.53	1	13.7	0.9	1.6	18.8	608.6
	070620421205	4 x 2 x 2.5	0.53	1	15.6	1.25	1.7	21.5	833.6
	070620521205	5 x 2 x 2.5	0.53	1	17.3	1.25	1.8	23.3	962.9
	070620821205	8 x 2 x 2.5	0.53	1	21.7	1.25	1.9	27.9	1327.1
	070621021205	10 x 2 x 2.5	0.53	1	24.2	1.25	1.9	30.6	1559.7
	070621221205	12 x 2 x 2.5	0.53	1	26.5	1.6	2	33.7	1951.8
	070621621205	16 x 2 x 2.5	0.53	1.2	31.1	1.6	2.2	38.6	2459.9
	070622021205	20 x 2 x 2.5	0.53	1.2	34.8	1.6	2.3	42.6	2915.1
	070622421205	24 x 2 x 2.5	0.53	1.2	38.3	2	2.4	47.1	3631.3

RE-2X(St)YSWAY - SINGLE & MULTI-PAIR

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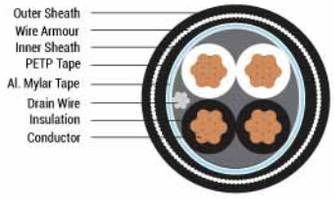


Standard

Adapted to EN 50288-7

Cable Construction

Conductor : Annealed copper wires according to BS EN 60228
Insulation : Crosslinked polyethylene XLPE
Pairs : Twisted
Identification Pairs : Black & white, continuously numbered on white core (1, 2, 3...) for multi-element
Wrapping : 1 layer of PETP tape
Collective Screen : Aluminium / PETP tape over tinned copper drain wire
Inner Sheath : Polyvinyl chloride PVC
Armour : Galvanised round steel wires
Cable Sheath : Polyvinyl chloride PVC (Also available in halogen free construction on request.)
Colour : Black. Blue for intrinsically safe system

Technical Data

Flame Propagation : EN 60332-1-2
Operating Temperature Range : -30°C to +90°C
Bending Radius : 10 x cable diameter
Operating Voltage : 500V
*Also available in 300V variant on request.
Marking : RR KABEL RE-2X(St)YSWAY nxmxa 500V EN50288-7 CE + 0001m
n - No. of pairs
m - Pairs
a - Cross sectional area

Electrical Properties

Conductor Cross Section (Sq.mm)	Class of Conductor	No. of Strands/ Max. Strand Diameter (mm)	Max. DC Conductor Resistance* at 20°C (Ω/km)	Max. L/R Ratio (µH/Ω)	Min. Insulation Resistance (GΩ x cm)	Max. Mutual Capacitance (nF/km)	Max. Inductance (mH/km)	Test Voltage V_{rms} (Core-Core)	Test Voltage V_{rms} (Core-Screen)
0.5	2	7/0.3	36.0	25	5000	150	1	2000	2000
0.5	5	16/0.2	39.0	25	5000	150	1	2000	2000
0.75	2	7/0.37	24.5	25	5000	150	1	2000	2000
0.75	5	24/0.2	26.0	25	5000	150	1	2000	2000
1	2	7/0.43	18.1	25	5000	150	1	2000	2000
1	5	32/0.2	19.5	25	5000	150	1	2000	2000
1.5	2	7/0.53	12.1	40	5000	150	1	2000	2000
2.5	2	7/0.67	7.41	60	5000	150	1	2000	2000

Cable Design Parameters

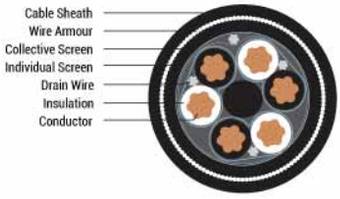
	Part Number	No. of Pairs & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 5 Conductor	070750121050	1 x 2 x 0.5	0.44	1	6.4	0.9	1.4	11.1	209.5
	070750221050	2 x 2 x 0.5	0.44	1	7.6	0.9	1.5	12.4	260.1
	070750321050	3 x 2 x 0.5	0.44	1	8.9	0.9	1.5	13.7	310.6
	070750421050	4 x 2 x 0.5	0.44	1	9.9	0.9	1.5	14.7	356.0
	070750521050	5 x 2 x 0.5	0.44	1	10.8	0.9	1.6	15.7	398.0
	070750821050	8 x 2 x 0.5	0.44	1	13.1	0.9	1.6	18.1	511.8
	070751021050	10 x 2 x 0.5	0.44	1	14.4	0.9	1.7	19.5	581.8
	070751221050	12 x 2 x 0.5	0.44	1	15.5	1.25	1.7	21.4	748.1
	070751621050	16 x 2 x 0.5	0.44	1	17.6	1.25	1.8	23.6	886.2
	070752021050	20 x 2 x 0.5	0.44	1	19.4	1.25	1.8	25.5	1017.0
	070752421050	24 x 2 x 0.5	0.44	1	21	1.25	1.9	27.2	1141.2
	070750121075	1 x 2 x 0.75	0.44	1	6.8	0.9	1.4	11.5	226.4
	070750221075	2 x 2 x 0.75	0.44	1	8.2	0.9	1.5	12.9	286.0
	070750321075	3 x 2 x 0.75	0.44	1	9.5	0.9	1.5	14.3	345.6
	070750421075	4 x 2 x 0.75	0.44	1	10.6	0.9	1.5	15.5	399.6
	070750521075	5 x 2 x 0.75	0.44	1	11.6	0.9	1.6	16.6	449.8
	070750821075	8 x 2 x 0.75	0.44	1	14.1	0.9	1.6	19.2	587.3
	070751021075	10 x 2 x 0.75	0.44	1	15.5	1.25	1.7	21.4	772.7
	070751221075	12 x 2 x 0.75	0.44	1	16.8	1.25	1.7	22.8	861.6
	070751621075	16 x 2 x 0.75	0.44	1	19	1.25	1.8	25.1	1030.0
	070752021075	20 x 2 x 0.75	0.44	1	21	1.25	1.9	27.2	1190.7
	070752421075	24 x 2 x 0.75	0.44	1	22.8	1.25	1.9	29.1	1344.0
	070750120001	1 x 2 x 1	0.44	1	7.1	0.9	1.4	11.8	240.2
	070750220001	2 x 2 x 1	0.44	1	8.5	0.9	1.5	13.3	307.7
	070750320001	3 x 2 x 1	0.44	1	10	0.9	1.5	14.8	375.3
	070750420001	4 x 2 x 1	0.44	1	11.2	0.9	1.6	16.1	436.8
	070750520001	5 x 2 x 1	0.44	1	12.2	0.9	1.6	17.2	494.4
	070750820001	8 x 2 x 1	0.44	1	14.9	0.9	1.7	20.0	653.0
	070751020001	10 x 2 x 1	0.44	1	16.4	1.25	1.7	22.3	857.5
	070751220001	12 x 2 x 1	0.44	1	17.7	1.25	1.8	23.8	960.4
	070751620001	16 x 2 x 1	0.44	1	20.1	1.25	1.8	26.3	1156.0
	070752020001	20 x 2 x 1	0.44	1	22.3	1.25	1.9	28.5	1343.9
	070752420001	24 x 2 x 1	0.44	1	24.2	1.25	1.9	30.6	1523.5

	Part Number	No. of Pairs & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070720121050	1 x 2 x 0.5	0.44	1	6.4	0.9	1.4	11.1	209.3
	070720221050	2 x 2 x 0.5	0.44	1	7.6	0.9	1.5	12.4	259.7
	070720321050	3 x 2 x 0.5	0.44	1	8.9	0.9	1.5	13.7	310.2
	070720421050	4 x 2 x 0.5	0.44	1	9.9	0.9	1.5	14.7	355.4
	070720521050	5 x 2 x 0.5	0.44	1	10.8	0.9	1.6	15.7	397.3
	070720821050	8 x 2 x 0.5	0.44	1	13.1	0.9	1.6	18.1	510.7
	070721021050	10 x 2 x 0.5	0.44	1	14.4	0.9	1.7	19.5	580.4
	070721221050	12 x 2 x 0.5	0.44	1	15.5	1.25	1.7	21.4	746.5
	070721621050	16 x 2 x 0.5	0.44	1	17.6	1.25	1.8	23.6	884.0
	070722021050	20 x 2 x 0.5	0.44	1	19.4	1.25	1.8	25.5	1014.3
	070722421050	24 x 2 x 0.5	0.44	1	21	1.25	1.9	27.2	1138
	070720121075	1 x 2 x 0.75	0.44	1	6.8	0.9	1.4	11.5	226.7
	070720221075	2 x 2 x 0.75	0.44	1	8.2	0.9	1.5	12.9	286.4
	070720321075	3 x 2 x 0.75	0.44	1	9.5	0.9	1.5	14.3	346.1
	070720421075	4 x 2 x 0.75	0.44	1	10.6	0.9	1.5	15.5	400.1
	070720521075	5 x 2 x 0.75	0.44	1	11.6	0.9	1.6	16.6	450.4
	070720821075	8 x 2 x 0.75	0.44	1	14.1	0.9	1.6	19.2	588.0
	070721021075	10 x 2 x 0.75	0.44	1	15.6	1.25	1.7	21.5	773.8
	070721221075	12 x 2 x 0.75	0.44	1	16.8	1.25	1.7	22.8	862.8
	070721621075	16 x 2 x 0.75	0.44	1	19.1	1.25	1.8	25.2	1031.2
	070722021075	20 x 2 x 0.75	0.44	1	21.1	1.25	1.9	27.3	1192.1
	070722421075	24 x 2 x 0.75	0.44	1	22.9	1.25	1.9	29.2	1345.5
	070720120001	1 x 2 x 1	0.44	1	7.2	0.9	1.4	11.7	237.9
	070720220001	2 x 2 x 1	0.44	1	8.7	0.9	1.5	13.5	312.5
	070720320001	3 x 2 x 1	0.44	1	10.1	0.9	1.5	15.0	381.6
	070720420001	4 x 2 x 1	0.44	1	11.4	0.9	1.6	16.3	444.5
	070720520001	5 x 2 x 1	0.44	1	12.4	0.9	1.6	17.4	503.3
	070720820001	8 x 2 x 1	0.44	1	15.1	1.25	1.7	21.0	763.3
	070721020001	10 x 2 x 1	0.44	1	16.7	1.25	1.7	22.6	874.1
	070721220001	12 x 2 x 1	0.44	1	18.1	1.25	1.8	24.1	979.3
	070721620001	16 x 2 x 1	0.44	1	20.5	1.25	1.8	26.7	1179.3
	070722020001	20 x 2 x 1	0.44	1	22.7	1.25	1.9	29.0	1371.4
	070722420001	24 x 2 x 1	0.44	1	24.6	1.25	2.0	31.0	1555.1

	Part Number	No. of Pairs & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070720121105	1 x 2 x 1.5	0.44	1	7.9	0.9	1.5	12.6	273.9
	070720221105	2 x 2 x 1.5	0.44	1	9.5	0.9	1.5	14.4	360.3
	070720321105	3 x 2 x 1.5	0.44	1	11.2	0.9	1.6	16.1	446.8
	070720421105	4 x 2 x 1.5	0.44	1	12.6	0.9	1.6	17.6	526.3
	070720521105	5 x 2 x 1.5	0.44	1	13.8	0.9	1.6	18.9	601.2
	070720821105	8 x 2 x 1.5	0.44	1	16.9	1.25	1.7	22.8	918.1
	070721021105	10 x 2 x 1.5	0.44	1	18.6	1.25	1.8	24.7	1060.6
	070721221105	12 x 2 x 1.5	0.44	1	20.1	1.25	1.8	26.3	1196.4
	070721621105	16 x 2 x 1.5	0.44	1	22.9	1.25	1.9	29.2	1456.3
	070722021105	20 x 2 x 1.5	0.44	1	25.4	1.6	2.0	32.6	1868.7
	070722421105	24 x 2 x 1.5	0.44	1.2	28.0	1.6	2.1	35.3	2167.1
	070720121205	1 x 2 x 2.5	0.53	1	9.1	0.9	1.5	13.9	331.1
	070720221205	2 x 2 x 2.5	0.53	1	11.1	0.9	1.6	16.1	450.1
	070720321205	3 x 2 x 2.5	0.53	1	13.1	0.9	1.6	18.2	569.5
	070720421205	4 x 2 x 2.5	0.53	1	14.8	0.9	1.7	20.0	680.4
	070720521205	5 x 2 x 2.5	0.53	1	16.3	1.25	1.7	22.3	890.7
	070720821205	8 x 2 x 2.5	0.53	1	20.1	1.25	1.8	26.2	1209.8
	070721021205	10 x 2 x 2.5	0.53	1	22.2	1.25	1.9	28.4	1411.9
	070721221205	12 x 2 x 2.5	0.53	1	24.1	1.25	1.9	30.5	1605.5
	070721621205	16 x 2 x 2.5	0.53	1.2	27.9	1.6	2.1	35.2	2195.1
	070722021205	20 x 2 x 2.5	0.53	1.2	30.8	1.6	2.2	38.3	2580.4
	070722421205	24 x 2 x 2.5	0.53	1.2	33.5	1.6	2.2	41.2	2950.5

RE-2X(St)YSWAY PiMF - MULTI-PAIR

REACH I RoHS I CE



Standard

Adapted to EN 50288-7

Cable Construction

Conductor : Annealed copper wires according to BS EN 60228
Insulation : Crosslinked polyethylene XLPE
Pairs : Twisted
Identification Pairs : Black & white, continuously numbered on white core (1, 2, 3...) for multi-element
Individual Screen : Aluminium / PETP tape over tinned copper drain wire, plastic tape under and above screen
Assembly : Concentric layers
Collective Screen : Aluminium / PETP tape over tinned copper drain wire
Inner Sheath : Polyvinyl chloride PVC
Armour : Galvanised round steel wires
Cable Sheath : Polyvinyl chloride PVC (Also available in halogen free construction, on request.)
Colour : Black. Blue for intrinsically safe system.

Technical Data

Flame Propagation : EN 60332-1-2
Operating Temperature Range : -30°C to +90°C
Bending Radius : 10 x cable diameter
Operating Voltage : 500V
*Also available in 300V variant on request.
Marking : RR KABEL RE-2X(St)YSWAY PiMF nxmxa 500V EN50288-7 CE + 0001m
n - No. of pairs
m - Pairs
a - Cross sectional area

Electrical Properties

Conductor Cross Section (Sq.mm)	Class of Conductor	No. of Strands/ Max. Strand Diameter (mm)	Max. DC Conductor Resistance* at 20°C (Ω/km)	Max. L/R Ratio (µH/Ω)	Min. Insulation Resistance (GΩ x cm)	Max. Mutual Capacitance (nF/km)	Max. Inductance (mH/km)	Test Voltage V_{rms} (Core-Core)	Test Voltage V_{rms} (Core-Screen)
0.5	2	7/0.3	36.7	25	5000	150	1	2000	2000
0.5	5	16/0.2	39.8	25	5000	150	1	2000	2000
0.75	2	7/0.37	25.0	25	5000	150	1	2000	2000
0.75	5	24/0.2	26.5	25	5000	150	1	2000	2000
1	2	7/0.43	18.5	25	5000	150	1	2000	2000
1	5	32/0.2	19.9	25	5000	150	1	2000	2000
1.5	2	7/0.53	12.3	40	5000	150	1	2000	2000
2.5	2	7/0.67	7.6	60	5000	150	1	2000	2000

*For multi-pair maximum resistance shall be increased by 2%.

Cable Design Parameters

	Part Number	No. of Pairs & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 5 Conductor	070850221050	2 x 2 x 0.5	0.44	1	8.0	0.9	1.5	12.8	271.6
	070850321050	3 x 2 x 0.5	0.44	1	9.5	0.9	1.5	14.3	328.1
	070850421050	4 x 2 x 0.5	0.44	1	10.7	0.9	1.5	15.6	379.6
	070850521050	5 x 2 x 0.5	0.44	1	11.8	0.9	1.6	16.8	427.7
	070850821050	8 x 2 x 0.5	0.44	1	14.7	0.9	1.7	19.8	560.6
	070851021050	10 x 2 x 0.5	0.44	1	16.4	1.25	1.7	22.3	748.8
	070851221050	12 x 2 x 0.5	0.44	1	17.9	1.25	1.8	24.0	837.9
	070851621050	16 x 2 x 0.5	0.44	1	20.8	1.25	1.9	27.0	1008.0
	070852021050	20 x 2 x 0.5	0.44	1	23.4	1.25	1.9	29.7	1171.7
	070852421050	24 x 2 x 0.5	0.44	1	25.8	1.6	2	33.1	1493.2
	070850221075	2 x 2 x 0.75	0.44	1	8.6	0.9	1.5	13.3	297.6
	070850321075	3 x 2 x 0.75	0.44	1	10.1	0.9	1.5	15.0	363.2
	070850421075	4 x 2 x 0.75	0.44	1	11.4	0.9	1.6	16.4	423.3
	070850521075	5 x 2 x 0.75	0.44	1	12.6	0.9	1.6	17.6	479.8
	070850821075	8 x 2 x 0.75	0.44	1	15.7	1.25	1.7	21.6	737.8
	070851021075	10 x 2 x 0.75	0.44	1	17.5	1.25	1.8	23.5	847.4
	070851221075	12 x 2 x 0.75	0.44	1	19.2	1.25	1.8	25.3	952.2
	070851621075	16 x 2 x 0.75	0.44	1	22.2	1.25	1.9	28.5	1153.1
	070852021075	20 x 2 x 0.75	0.44	1	25.0	1.25	2.0	31.5	1347.3
	070852421075	24 x 2 x 0.75	0.44	1.2	28.0	1.6	2.1	35.4	1752.7
	070850220001	2 x 2 x 1	0.44	1	8.9	0.9	1.5	13.7	319.3
	070850320001	3 x 2 x 1	0.44	1	10.6	0.9	1.5	15.5	393.0
	070850420001	4 x 2 x 1	0.44	1	12.0	0.9	1.6	16.9	460.6
	070850520001	5 x 2 x 1	0.44	1	13.2	0.9	1.6	18.3	524.5
	070850820001	8 x 2 x 1	0.44	1	16.5	1.25	1.7	22.4	808.5
	070851020001	10 x 2 x 1	0.44	1	18.4	1.25	1.8	24.4	932.7
	070851220001	12 x 2 x 1	0.44	1	20.1	1.25	1.8	26.3	1051.6
	070851620001	16 x 2 x 1	0.44	1	23.3	1.25	1.9	29.7	1280.1
	070852020001	20 x 2 x 1	0.44	1	26.3	1.6	2.0	33.5	1668.0
	070852420001	24 x 2 x 1	0.44	1.2	29.4	1.6	2.1	36.8	1943.7

	Part Number	No. of Pairs & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070820221050	2 x 2 x 0.5	0.44	1	8	0.9	1.5	12.8	271.3
	070820321050	3 x 2 x 0.5	0.44	1	9.5	0.9	1.5	14.3	327.7
	070820421050	4 x 2 x 0.5	0.44	1	10.7	0.9	1.5	15.6	379
	070820521050	5 x 2 x 0.5	0.44	1	11.8	0.9	1.6	16.8	427
	070820821050	8 x 2 x 0.5	0.44	1	14.7	0.9	1.7	19.8	559.5
	070821021050	10 x 2 x 0.5	0.44	1	16.4	1.25	1.7	22.3	747.4
	070821221050	12 x 2 x 0.5	0.44	1	17.9	1.25	1.8	24.0	836.3
	070821621050	16 x 2 x 0.5	0.44	1	20.8	1.25	1.9	27.0	1005.9
	070822021050	20 x 2 x 0.5	0.44	1	23.4	1.25	1.9	29.7	1169.1
	070822421050	24 x 2 x 0.5	0.44	1	25.8	1.6	2.0	33.1	1490.1
	070820221075	2 x 2 x 0.75	0.44	1	8.6	0.9	1.5	13.4	297.9
	070820321075	3 x 2 x 0.75	0.44	1	10.1	0.9	1.5	15.0	363.7
	070820421075	4 x 2 x 0.75	0.44	1	11.4	0.9	1.6	16.4	423.8
	070820521075	5 x 2 x 0.75	0.44	1	12.6	0.9	1.6	17.7	480.4
	070820821075	8 x 2 x 0.75	0.44	1	15.7	1.25	1.7	21.7	738.7
	070821021075	10 x 2 x 0.75	0.44	1	17.6	1.25	1.8	23.6	848.5
	070821221075	12 x 2 x 0.75	0.44	1	19.2	1.25	1.8	25.3	953.4
	070821621075	16 x 2 x 0.75	0.44	1	22.3	1.25	1.9	28.6	1154.4
	070822021075	20 x 2 x 0.75	0.44	1	25.1	1.6	2.0	32.3	1507.7
	070822421075	24 x 2 x 0.75	0.44	1.2	28.1	1.6	2.1	35.4	1754.7
	070820220001	2 x 2 x 1	0.44	1	9.1	0.9	1.5	13.9	324.2
	070820320001	3 x 2 x 1	0.44	1	10.7	0.9	1.6	15.6	399.3
	070820420001	4 x 2 x 1	0.44	1	12.2	0.9	1.6	17.1	468.4
	070820520001	5 x 2 x 1	0.44	1	13.4	0.9	1.6	18.5	533.5
	070820820001	8 x 2 x 1	0.44	1	16.7	1.25	1.7	22.7	822.8
	070821020001	10 x 2 x 1	0.44	1	18.7	1.25	1.8	24.8	949.4
	070821220001	12 x 2 x 1	0.44	1	20.5	1.25	1.8	26.6	1070.7
	070821620001	16 x 2 x 1	0.44	1	23.7	1.25	1.9	30.1	1303.7
	070822020001	20 x 2 x 1	0.44	1	26.7	1.6	2.0	33.9	1698.5
	070822420001	24 x 2 x 1	0.44	1.2	29.8	1.6	2.1	37.3	1979.1
	070820221105	2 x 2 x 1.5	0.44	1	9.9	0.9	1.5	14.8	372
	070820321105	3 x 2 x 1.5	0.44	1	11.8	0.9	1.6	16.7	464.7
	070820421105	4 x 2 x 1.5	0.44	1	13.4	0.9	1.6	18.4	550.4

	Part Number	No. of Pairs & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070820521105	5 x 2 x 1.5	0.44	1	14.8	0.9	1.7	19.9	631.8
	070820821105	8 x 2 x 1.5	0.44	1	18.5	1.25	1.8	24.5	978.4
	070821021105	10 x 2 x 1.5	0.44	1	20.6	1.25	1.8	26.8	1136.9
	070821221105	12 x 2 x 1.5	0.44	1	22.5	1.25	1.9	28.8	1289.2
	070821621105	16 x 2 x 1.5	0.44	1	26.1	1.6	2.0	33.4	1748.2
	070822021105	20 x 2 x 1.5	0.44	1.2	29.8	1.6	2.1	37.2	2099.8
	070822421105	24 x 2 x 1.5	0.44	1.2	32.8	1.6	2.2	40.4	2398.8
	070820221205	2 x 2 x 2.5	0.53	1	11.5	0.9	1.6	16.5	462.0
	070820321205	3 x 2 x 2.5	0.53	1	13.7	0.9	1.6	18.8	587.8
	070820421205	4 x 2 x 2.5	0.53	1	15.6	1.25	1.7	21.5	805.8
	070820521205	5 x 2 x 2.5	0.53	1	17.3	1.25	1.8	23.3	928.2
	070820821205	8 x 2 x 2.5	0.53	1	21.7	1.25	1.9	27.9	1271.5
	070821021205	10 x 2 x 2.5	0.53	1	24.2	1.25	1.9	30.6	1490.3
	070821221205	12 x 2 x 2.5	0.53	1	26.5	1.6	2.0	33.7	1868.5
	070821621205	16 x 2 x 2.5	0.53	1.2	31.1	1.6	2.2	38.6	2348.7
	070822021205	20 x 2 x 2.5	0.53	1.2	34.8	1.6	2.3	42.6	2776.2
	070822421205	24 x 2 x 2.5	0.53	1.2	38.3	2.0	2.4	47.1	3464.6

RE-Y(St)Y - MULTICORE

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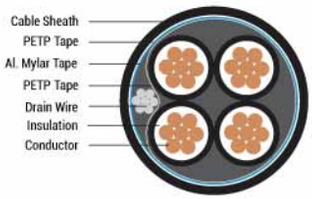

Standard

Adapted to EN 50288-7

Cable Construction

Conductor : Annealed copper wires according to BS EN 60228
Insulation : Polyvinyl chloride PVC
Colour Code : Black, continuously numbered in white
Wrapping : 1 layer of PETP tape
Collective Screen : Aluminium / PETP tape over tinned copper drain wire
Cable Sheath : Polyvinyl chloride PVC
Colour : Black. Blue for intrinsically safe system

Technical Data

Flame Propagation : EN 60332-1-2
Operating Temperature Range : -30°C to +70°C
Bending Radius : 7.5 x cable diameter
Operating Voltage : 500V
*Also available in 300V variant on request.
Marking : RR KABEL RE-Y(St)Y cxa 500V EN50288-7 CE + 0001m
c - No. of cores
a - Cross sectional area

Electrical Properties

Cable Design Parameters

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 5 Conductor	070950221050	2 x 0.5	0.44	1	6.2	47.1
	070950421050	4 x 0.5	0.44	1	7.1	70.7
	070950521050	5 x 0.5	0.44	1	7.7	83.6
	070950821050	8 x 0.5	0.44	1.1	9.4	121.8
	070951021050	10 x 0.5	0.44	1.1	10.7	148.8
	070951221050	12 x 0.5	0.44	1.2	11.1	169.7
	070951621050	16 x 0.5	0.44	1.2	12.3	215.5
	070952021050	20 x 0.5	0.44	1.3	13.7	263.8
	070952421050	24 x 0.5	0.44	1.3	15.2	322.4
	070950221075	2 x 0.75	0.44	1	6.6	55.4
	070950421075	4 x 0.75	0.44	1	7.6	85.7
	070950521075	5 x 0.75	0.44	1.1	8.3	102.0
	070950821075	8 x 0.75	0.44	1.1	10.2	150.5
	070951021075	10 x 0.75	0.44	1.2	11.6	184.8
	070951221075	12 x 0.75	0.44	1.2	11.9	212.1
	070951621075	16 x 0.75	0.44	1.2	13.3	295.4
	070952021075	20 x 0.75	0.44	1.3	14.9	333.2
	070952421075	24 x 0.75	0.44	1.4	16.5	408.7
	070950220001	2 x 1	0.44	1	6.9	62.7
	070950420001	4 x 1	0.44	1	8.0	99.1
	070950520001	5 x 1	0.44	1.1	8.8	118.6
	070950820001	8 x 1	0.44	1.1	10.7	176.5
	070951020001	10 x 1	0.44	1.2	12.2	217.4
	070951220001	12 x 1	0.44	1.2	12.6	250.5
	070951620001	16 x 1	0.44	1.3	14.1	351.5
	070952020001	20 x 1	0.44	1.3	15.7	396.4
	070952420001	24 x 1	0.44	1.4	17.5	487.4

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070920221050	2 x 0.5	0.44	1	6.2	46.9
	070920421050	4 x 0.5	0.44	1	7.1	70.4
	070920521050	5 x 0.5	0.44	1	7.7	83.3
	070920821050	8 x 0.5	0.44	1.1	9.4	121.2
	070921021050	10 x 0.5	0.44	1.1	10.7	148.1
	070921221050	12 x 0.5	0.44	1.2	11.1	168.9
	070921621050	16 x 0.5	0.44	1.2	12.3	214.4
	070922021050	20 x 0.5	0.44	1.3	13.7	262.5
	070922421050	24 x 0.5	0.44	1.3	15.2	320.9
	070920221075	2 x 0.75	0.44	1	6.6	55.5
	070920421075	4 x 0.75	0.44	1	7.7	85.8
	070920521075	5 x 0.75	0.44	1.1	8.4	102.2
	070920821075	8 x 0.75	0.44	1.1	10.2	150.8
	070921021075	10 x 0.75	0.44	1.2	11.6	185.2
	070921221075	12 x 0.75	0.44	1.2	12.0	212.5
	070921621075	16 x 0.75	0.44	1.2	13.3	296
	070922021075	20 x 0.75	0.44	1.3	14.9	333.9
	070922421075	24 x 0.75	0.44	1.4	16.6	409.6
	070920220001	2 x 1	0.44	1	7.0	64.1
	070920420001	4 x 1	0.44	1.1	8.2	101.4
	070920520001	5 x 1	0.44	1.1	8.9	121.4
	070920820001	8 x 1	0.44	1.2	10.9	180.9
	070921020001	10 x 1	0.44	1.2	12.4	222.8
	070921220001	12 x 1	0.44	1.2	12.8	256.8
	070921620001	16 x 1	0.44	1.3	14.3	360.5
	070922020001	20 x 1	0.44	1.3	16.0	406.6
	070922420001	24 x 1	0.44	1.4	17.8	500
	070920221105	2 x 1.5	0.44	1	7.7	80.5
	070920421105	4 x 1.5	0.44	1.1	9.0	131.3
	070920521105	5 x 1.5	0.44	1.1	9.9	158.3
	070920821105	8 x 1.5	0.44	1.2	12.2	238.9
	070921021105	10 x 1.5	0.44	1.3	13.8	295.5
	070921221105	12 x 1.5	0.44	1.3	14.3	342.5
	070921621105	16 x 1.5	0.44	1.3	16.0	442.6
	070922021105	20 x 1.5	0.44	1.4	17.9	547.6

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	070922421105	24 x 1.5	0.44	1.5	20.0	675.5
	070920221205	2 x 2.5	0.53	1.1	9.1	112.2
	070920421205	4 x 2.5	0.53	1.1	10.6	189.0
	070920521205	5 x 2.5	0.53	1.2	11.7	229.6
	070920821205	8 x 2.5	0.53	1.3	14.5	350.9
	070921021205	10 x 2.5	0.53	1.4	16.5	436.0
	070921221205	12 x 2.5	0.53	1.4	17.1	508.0
	070921621205	16 x 2.5	0.53	1.5	19.1	660.3
	070922021205	20 x 2.5	0.53	1.5	21.5	819.7
	070922421205	24 x 2.5	0.53	1.6	24.0	981.0

RE-2X(St)Y - MULTICORE

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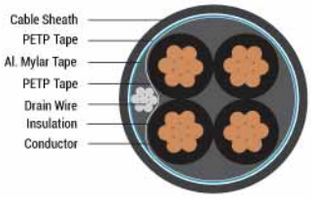

Standard

Adapted to EN 50288-7

Cable Construction

Conductor : Annealed copper wires according to BS EN 60228
Insulation : Cross-linked polyethylene XLPE
Colour Code : Black, continuously numbered in white
Wrapping : 1 layer of PETP tape
Collective Screen : Aluminium / PETP tape over tinned copper drain wire
Cable Sheath : Polyvinyl Chloride PVC (Also available in halogen free construction on request.)
Colour : Black. Blue for intrinsically safe system

Technical Data

Flame Propagation : EN 60332-1-2
Operating Temperature Range : -30°C to +90°C
Bending Radius : 7.5 x cable diameter
Operating Voltage : 500V
*Also available in 300V variant on request.
Marking : RR KABEL RE-2X(St)Y cxa 500V EN50288-7 CE + 0001m
c - No. of cores
a - Cross sectional area

Electrical Properties

Conductor Cross Section (Sq.mm)	Class of Conductor	No. of Strands/ Max. Strand Diameter (mm)	Max. DC Conductor Resistance* at 20°C (Ω/km)	Max. L/R Ratio (µH/Ω)	Min. Insulation Resistance (GΩ x cm)	Max. Mutual Capacitance (nF/km)	Max. Inductance (mH/km)	Test Voltage V_{rms} (Core-Core)	Test Voltage V_{rms} (Core-Screen)
0.5	2	7/0.3	36.0	25	5000	250	1	2000	2000
0.5	5	16/0.2	39.0	25	5000	250	1	2000	2000
0.75	2	7/0.37	24.5	25	5000	250	1	2000	2000
0.75	5	24/0.2	26.0	25	5000	250	1	2000	2000
1	2	7/0.43	18.1	25	5000	250	1	2000	2000
1	5	32/0.2	19.5	25	5000	250	1	2000	2000
1.5	2	7/0.53	12.1	40	5000	250	1	2000	2000
2.5	2	7/0.67	7.41	60	5000	250	1	2000	2000

Cable Design Parameters

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 5 Conductor	071050221050	2 x 0.5	0.44	1.0	6.2	43.9
	071050421050	4 x 0.5	0.44	1.0	7.1	64.4
	071050521050	5 x 0.5	0.44	1.0	7.7	75.7
	071050821050	8 x 0.5	0.44	1.1	9.4	109.1
	071051021050	10 x 0.5	0.44	1.1	10.7	132.9
	071051221050	12 x 0.5	0.44	1.2	11.1	150.7
	071051621050	16 x 0.5	0.44	1.2	12.3	190.1
	071052021050	20 x 0.5	0.44	1.3	13.7	232.1
	071052421050	24 x 0.5	0.44	1.3	15.2	282.8
	071050221075	2 x 0.75	0.44	1.0	6.6	51.7
	071050421075	4 x 0.75	0.44	1.0	7.6	78.4
	071050521075	5 x 0.75	0.44	1.1	8.3	92.9
	071050821075	8 x 0.75	0.44	1.1	10.2	136.0
	071051021075	10 x 0.75	0.44	1.2	11.6	166.6
	071051221075	12 x 0.75	0.44	1.2	11.9	190.2
	071051621075	16 x 0.75	0.44	1.2	13.3	262.6
	071052021075	20 x 0.75	0.44	1.3	14.9	296.8
	071052421075	24 x 0.75	0.44	1.4	16.5	363.2
	071050220001	2 x 1	0.44	1.0	6.9	58.8
	071050420001	4 x 1	0.44	1.0	8.0	91.2
	071050520001	5 x 1	0.44	1.1	8.8	108.7
	071050820001	8 x 1	0.44	1.1	10.7	160.7
	071051020001	10 x 1	0.44	1.2	12.2	197.5
	071051220001	12 x 1	0.44	1.2	12.6	226.7
	071051620001	16 x 1	0.44	1.3	14.1	315.8
	071052020001	20 x 1	0.44	1.3	15.7	356.7
	071052420001	24 x 1	0.44	1.4	17.5	437.7

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	071020221050	2 x 0.5	0.44	1	6.2	43.7
	071020421050	4 x 0.5	0.44	1	7.1	64.1
	071020521050	5 x 0.5	0.44	1	7.7	75.3
	071020821050	8 x 0.5	0.44	1.1	9.4	108.5
	071021021050	10 x 0.5	0.44	1.1	10.7	132.2
	071021221050	12 x 0.5	0.44	1.2	11.1	149.9
	071021621050	16 x 0.5	0.44	1.2	12.3	189.0
	071022021050	20 x 0.5	0.44	1.3	13.7	230.7
	071022421050	24 x 0.5	0.44	1.3	15.2	281.1
	071020221075	2 x 0.75	0.44	1	6.6	51.8
	071020421075	4 x 0.75	0.44	1	7.7	78.5
	071020521075	5 x 0.75	0.44	1.1	8.4	93.0
	071020821075	8 x 0.75	0.44	1.1	10.2	136.1
	071021021075	10 x 0.75	0.44	1.2	11.6	166.7
	071021221075	12 x 0.75	0.44	1.2	12	190.4
	071021621075	16 x 0.75	0.44	1.2	13.3	262.8
	071022021075	20 x 0.75	0.44	1.3	14.9	297
	071022421075	24 x 0.75	0.44	1.4	16.6	363.5
	071020220001	2 x 1	0.44	1	7.0	59.9
	071020420001	4 x 1	0.44	1.1	8.2	93.0
	071020520001	5 x 1	0.44	1.1	8.9	111.0
	071020820001	8 x 1	0.44	1.2	10.9	164.2
	071021020001	10 x 1	0.44	1.2	12.4	202.0
	071021220001	12 x 1	0.44	1.2	12.8	231.8
	071021620001	16 x 1	0.44	1.3	14.3	323.0
	071022020001	20 x 1	0.44	1.3	16.0	364.9
	071022420001	24 x 1	0.44	1.4	17.8	447.9
	071020221105	2 x 1.5	0.44	1	7.7	75.4
	071020421105	4 x 1.5	0.44	1.1	9.0	121.1
	071020521105	5 x 1.5	0.44	1.1	9.9	145.6
	071020821105	8 x 1.5	0.44	1.2	12.2	218.6
	071021021105	10 x 1.5	0.44	1.3	13.8	270.1
	071021221105	12 x 1.5	0.44	1.3	14.3	312.0
	071021621105	16 x 1.5	0.44	1.3	16.0	401.9
	071022021105	20 x 1.5	0.44	1.4	17.9	496.8

	Part Number	No. of Pairs and Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	071022421105	24 x 1.5	0.44	1.5	20.0	612
	071020221205	2 x 2.5	0.53	1.1	9.1	104.9
	071020421205	4 x 2.5	0.53	1.1	10.6	174.3
	071020521205	5 x 2.5	0.53	1.2	11.7	211.2
	071020821205	8 x 2.5	0.53	1.3	14.5	321.5
	071021021205	10 x 2.5	0.53	1.4	16.5	399.2
	071021221205	12 x 2.5	0.53	1.4	17.1	463.8
	071021621205	16 x 2.5	0.53	1.5	19.1	601.4
	071022021205	20 x 2.5	0.53	1.5	21.5	746.1
	071022421205	24 x 2.5	0.53	1.6	24.0	892.6

RE-Y(St)YSWAY - MULTICORE

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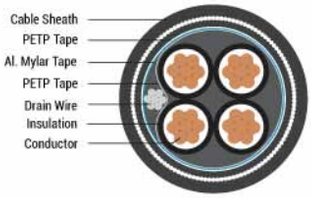


Standard

Adapted to EN 50288-7

Cable Construction

Conductor : Annealed copper wires according to BS EN 60228
Insulation : Polyvinyl chloride PVC
Colour Code : Black, continuously numbered in white
Wrapping : 1 layer of PETP tape
Collective Screen : Aluminium / PETP tape over tinned copper drain wire
Inner Sheath : Polyvinyl chloride PVC
Armour : Galvanised round steel wires
Cable Sheath : Polyvinyl chloride PVC
Colour : Black. Blue for intrinsically safe system

Technical Data

Flame Propagation : EN 60332-1-2
Operating Temperature Range : -30°C to +70°C
Bending Radius : 10 x cable diameter
Operating Voltage : 500V
*Also available in 300V variant on request
Marking : RR KABEL RE-Y(St)YSWAY cxa 500V EN50288-7 CE + 0001m
c - No. of cores
a - Cross sectional area

Electrical Properties

Conductor Cross Section (Sq.mm)	Class of Conductor	No. of Strands/ Max. Strand Diameter (mm)	Max. DC Conductor Resistance* at 20°C (Ω/km)	Max. L/R Ratio (µH/Ω)	Min. Insulation Resistance (GΩ x cm)	Max. Mutual Capacitance (nF/km)	Max. Inductance (mH/km)	Test Voltage V_{rms} (Core-Core)	Test Voltage V_{rms} (Core-Screen)
0.5	2	7/0.3	36.0	25	20	150	1	2000	2000
0.5	5	16/0.2	39.0	25	20	150	1	2000	2000
0.75	2	7/0.37	24.5	25	20	150	1	2000	2000
0.75	5	24/0.2	26.0	25	20	150	1	2000	2000
1	2	7/0.43	18.1	25	20	150	1	2000	2000
1	5	32/0.2	19.5	25	20	150	1	2000	2000
1.5	2	7/0.53	12.1	40	20	150	1	2000	2000
2.5	2	7/0.67	7.41	60	20	150	1	2000	2000

Cable Design Parameters

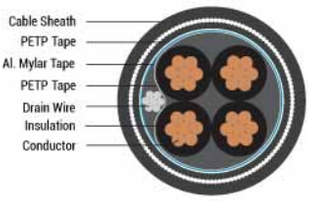
	Part Number	No. of Pairs & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 5 Conductor	071150221050	2 x 0.5	0.44	1	6.2	0.9	1.4	10.8	206.9
	071150421050	4 x 0.5	0.44	1	7.1	0.9	1.4	11.8	250.4
	071150521050	5 x 0.5	0.44	1	7.7	0.9	1.5	12.4	276.4
	071150821050	8 x 0.5	0.44	1	9.2	0.9	1.5	14.1	349.6
	071151021050	10 x 0.5	0.44	1	10.4	0.9	1.5	15.3	402.1
	071151221050	12 x 0.5	0.44	1	10.7	0.9	1.6	15.6	430.4
	071151621050	16 x 0.5	0.44	1	11.9	0.9	1.6	16.8	501
	071152021050	20 x 0.5	0.44	1	13.2	0.9	1.6	18.2	578.1
	071152421050	24 x 0.5	0.44	1	14.6	0.9	1.7	19.7	667.1
	071150221075	2 x 0.75	0.44	1	6.6	0.9	1.4	11.3	224.2
	071150421075	4 x 0.75	0.44	1	7.6	0.9	1.5	12.3	276.2
	071150521075	5 x 0.75	0.44	1	8.2	0.9	1.5	13	306.9
	071150821075	8 x 0.75	0.44	1	9.9	0.9	1.5	14.8	393.6
	071151021075	10 x 0.75	0.44	1	11.2	0.9	1.6	16.1	455.7
	071151221075	12 x 0.75	0.44	1	11.6	0.9	1.6	16.5	491
	071151621075	16 x 0.75	0.44	1	12.8	0.9	1.6	17.8	601.4
	071152021075	20 x 0.75	0.44	1	14.3	0.9	1.6	19.4	670.5
	071152421075	24 x 0.75	0.44	1	15.8	1.25	1.7	21.7	880.8
	071150220001	2 x 1	0.44	1	6.9	0.9	1.4	11.6	238.3
	071150420001	4 x 1	0.44	1	7.9	0.9	1.5	12.7	297.7
	071150520001	5 x 1	0.44	1	8.6	0.9	1.5	13.4	332.5
	071150820001	8 x 1	0.44	1	10.5	0.9	1.5	15.3	431
	071151020001	10 x 1	0.44	1	11.8	0.9	1.6	16.8	501.4
	071151220001	12 x 1	0.44	1	12.2	0.9	1.6	17.2	543
	071151620001	16 x 1	0.44	1	13.5	0.9	1.6	18.6	672.8
	071152020001	20 x 1	0.44	1	15.1	1.25	1.7	20.9	848.1
	071152420001	24 x 1	0.44	1	16.7	1.25	1.7	22.7	984.2

	Part Number	No. of Cores & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	071120221050	2 x 0.5	0.44	1	6.2	0.9	1.4	10.8	206.7
	071120421050	4 x 0.5	0.44	1	7.1	0.9	1.4	11.8	250.1
	071120521050	5 x 0.5	0.44	1	7.7	0.9	1.5	12.4	276.1
	071120821050	8 x 0.5	0.44	1	9.2	0.9	1.5	14.1	349.1
	071121021050	10 x 0.5	0.44	1	10.4	0.9	1.5	15.3	401.4
	071121221050	12 x 0.5	0.44	1	10.7	0.9	1.6	15.6	429.6
	071121621050	16 x 0.5	0.44	1	11.9	0.9	1.6	16.8	500.0
	071122021050	20 x 0.5	0.44	1	13.2	0.9	1.6	18.2	576.8
	071122421050	24 x 0.5	0.44	1	14.6	0.9	1.7	19.7	665.5
	071120221075	2 x 0.75	0.44	1	6.6	0.9	1.4	11.3	224.7
	071120421075	4 x 0.75	0.44	1	7.6	0.9	1.5	12.3	276.8
	071120521075	5 x 0.75	0.44	1	8.2	0.9	1.5	13	307.7
	071120821075	8 x 0.75	0.44	1	10.0	0.9	1.5	14.8	394.7
	071121021075	10 x 0.75	0.44	1	11.2	0.9	1.6	16.2	456.9
	071121221075	12 x 0.75	0.44	1	11.6	0.9	1.6	16.6	492.3
	071121621075	16 x 0.75	0.44	1	12.9	0.9	1.6	17.9	603.0
	071122021075	20 x 0.75	0.44	1	14.3	0.9	1.7	19.4	672.3
	071122421075	24 x 0.75	0.44	1	15.9	1.25	1.7	21.8	883.4
	071120220001	2 x 1	0.44	1	7.0	0.9	1.4	11.7	241.9
	071120420001	4 x 1	0.44	1	8.1	0.9	1.5	12.8	302.7
	071120520001	5 x 1	0.44	1	8.8	0.9	1.5	13.5	338.2
	071120820001	8 x 1	0.44	1	10.6	0.9	1.5	15.5	439.1
	071121020001	10 x 1	0.44	1	12.0	0.9	1.6	17.0	511.1
	071121220001	12 x 1	0.44	1	12.4	0.9	1.6	17.4	553.9
	071121620001	16 x 1	0.44	1	13.8	0.9	1.6	18.8	686.8
	071122020001	20 x 1	0.44	1	15.3	1.25	1.7	21.2	865.7
	071122420001	24 x 1	0.44	1.2	17.4	1.25	1.8	23.4	1034.6
	071120221105	2 x 1.5	0.44	1	7.7	0.9	1.5	12.4	273.1
	071120421105	4 x 1.5	0.44	1	8.8	0.9	1.5	13.6	350.3
	071120521105	5 x 1.5	0.44	1	9.6	0.9	1.5	14.5	394.9
	071120821105	8 x 1.5	0.44	1	11.8	0.9	1.6	16.7	522.1
	071121021105	10 x 1.5	0.44	1	13.3	0.9	1.6	18.4	612.5
	071121221105	12 x 1.5	0.44	1	13.8	0.9	1.6	18.8	669.3

	Part Number	No. of Cores & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	071121621105	16 x 1.5	0.44	1	15.3	1.25	1.7	21.2	901.0
	071122021105	20 x 1.5	0.44	1.2	17.5	1.25	1.8	23.5	1084.5
	071122421105	24 x 1.5	0.44	1.2	19.4	1.25	1.8	25.5	1266.1
	071120221205	2 x 2.5	0.53	1	8.9	0.9	1.5	13.7	332.4
	071120421205	4 x 2.5	0.53	1	10.3	0.9	1.5	15.2	441.2
	071120521205	5 x 2.5	0.53	1	11.3	0.9	1.6	16.2	503.0
	071120821205	8 x 2.5	0.53	1	13.9	0.9	1.6	19.0	680.5
	071121021205	10 x 2.5	0.53	1	15.8	1.25	1.7	21.7	908.2
	071121221205	12 x 2.5	0.53	1	16.4	1.25	1.7	22.3	995.3
	071121621205	16 x 2.5	0.53	1.2	18.6	1.25	1.8	24.7	1229.3
	071122021205	20 x 2.5	0.53	1.2	20.8	1.25	1.9	27.0	1449.9
	071122421205	24 x 2.5	0.53	1.2	23.1	1.25	1.9	29.4	1675.5

RE-2X(St)YSWAY - MULTICORE

REACH I RoHS I CE



Standard

Adapted to EN 50288-7

Cable Construction

Conductor : Annealed copper wires according to BS EN 60228
Insulation : Cross-linked polyethylene XLPE
Colour Code : Black, continuously numbered in white
Wrapping : 1 layer of PETP tape
Collective Screen : Aluminium / PETP tape over tinned copper drain wire
Inner Sheath : Polyvinyl chloride PVC
Armour : Galvanised round steel wires
Cable Sheath : Polyvinyl chloride PVC (Also available in halogen free construction, on request.)
Colour : Black. Blue for intrinsically safe system

Technical Data

Flame Propagation : EN 60332-1-2
Operating Temperature Range : -30°C to +90°C
Bending Radius : 10 x cable diameter
Operating Voltage : 500V
*Also available in 300V variant on request
Marking : RR KABEL RE-2X(St)YSWAY cxa 500V EN 50288-7 CE + 0001m
c - No. of cores
a - Cross sectional area

Electrical Properties

Conductor Cross Section (Sq.mm)	Class of Conductor	No. of Strands/ Max. Strand Diameter (mm)	Max. DC Conductor Resistance* at 20°C (Ω/km)	Max. L/R Ratio (µH/Ω)	Min. Insulation Resistance (GΩ x cm)	Max. Mutual Capacitance (nF/km)	Max. Inductance (mH/km)	Test Voltage V_{rms} (Core-Core)	Test Voltage V_{rms} (Core-Screen)
0.5	2	7/0.3	36.0	25	5000	150	1	2000	2000
0.5	5	16/0.2	39.0	25	5000	150	1	2000	2000
0.75	2	7/0.37	24.5	25	5000	150	1	2000	2000
0.75	5	24/0.2	26.0	25	5000	150	1	2000	2000
1	2	7/0.43	18.1	25	5000	150	1	2000	2000
1	5	32/0.2	19.5	25	5000	150	1	2000	2000
1.5	2	7/0.53	12.1	40	5000	150	1	2000	2000
2.5	2	7/0.67	7.41	60	5000	150	1	2000	2000

Cable Design Parameters

	Part Number	No. of Cores & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 5 Conductor	071250221050	2 x 0.5	0.44	1	6.2	0.9	1.4	10.8	203.7
	071250421050	4 x 0.5	0.44	1	7.1	0.9	1.4	11.8	244
	071250521050	5 x 0.5	0.44	1	7.7	0.9	1.5	12.4	268.5
	071250821050	8 x 0.5	0.44	1	9.2	0.9	1.5	14.1	336.9
	071251021050	10 x 0.5	0.44	1	10.4	0.9	1.5	15.3	386.3
	071251221050	12 x 0.5	0.44	1	10.7	0.9	1.6	15.6	411.4
	071251621050	16 x 0.5	0.44	1	11.9	0.9	1.6	16.8	475.6
	071252021050	20 x 0.5	0.44	1	13.2	0.9	1.6	18.2	546.4
	071252421050	24 x 0.5	0.44	1	14.6	0.9	1.7	19.7	627.5
	071250221075	2 x 0.75	0.44	1	6.6	0.9	1.4	11.3	220.6
	071250421075	4 x 0.75	0.44	1	7.6	0.9	1.5	12.3	268.9
	071250521075	5 x 0.75	0.44	1	8.2	0.9	1.5	13.0	297.8
	071250821075	8 x 0.75	0.44	1	9.9	0.9	1.5	14.8	379.1
	071251021075	10 x 0.75	0.44	1	11.2	0.9	1.6	16.1	437.5
	071251221075	12 x 0.75	0.44	1	11.6	0.9	1.6	16.5	469.2
	071251621075	16 x 0.75	0.44	1	12.8	0.9	1.6	17.8	568.6
	071252021075	20 x 0.75	0.44	1	14.3	0.9	1.6	19.4	634.1
	071252421075	24 x 0.75	0.44	1	15.8	1.25	1.7	21.7	835.3
	071250220001	2 x 1	0.44	1	6.9	0.9	1.4	11.6	234.3
	071250420001	4 x 1	0.44	1	7.9	0.9	1.5	12.7	289.7
	071250520001	5 x 1	0.44	1	8.6	0.9	1.5	13.4	322.5
	071250820001	8 x 1	0.44	1	10.5	0.9	1.5	15.3	415.1
	071251020001	10 x 1	0.44	1	11.8	0.9	1.6	16.8	481.5
	071251220001	12 x 1	0.44	1	12.2	0.9	1.6	17.2	519.2
	071251620001	16 x 1	0.44	1	13.5	0.9	1.6	18.6	637.1
	071252020001	20 x 1	0.44	1	15.1	1.25	1.7	20.9	808.4
	071252420001	24 x 1	0.44	1	16.7	1.25	1.7	22.7	934.6

	Part Number	No. of Cores & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	071220221050	2 x 0.5	0.44	1	6.2	0.9	1.4	10.8	203.5
	071220421050	4 x 0.5	0.44	1	7.1	0.9	1.4	11.8	243.7
	071220521050	5 x 0.5	0.44	1	7.7	0.9	1.5	12.4	268.1
	071220821050	8 x 0.5	0.44	1	9.2	0.9	1.5	14.1	336.3
	071221021050	10 x 0.5	0.44	1	10.4	0.9	1.5	15.3	385.5
	071221221050	12 x 0.5	0.44	1	10.7	0.9	1.6	15.6	410.6
	071221621050	16 x 0.5	0.44	1	11.9	0.9	1.6	16.8	474.5
	071222021050	20 x 0.5	0.44	1	13.2	0.9	1.6	18.2	545.0
	071222421050	24 x 0.5	0.44	1	14.6	0.9	1.7	19.7	625.8
	071220221075	2 x 0.75	0.44	1	6.6	0.9	1.4	11.3	221.1
	071220421075	4 x 0.75	0.44	1	7.6	0.9	1.5	12.3	269.5
	071220521075	5 x 0.75	0.44	1	8.2	0.9	1.5	13.0	298.4
	071220821075	8 x 0.75	0.44	1	10	0.9	1.5	14.8	379.9
	071221021075	10 x 0.75	0.44	1	11.2	0.9	1.6	16.2	438.5
	071221221075	12 x 0.75	0.44	1	11.6	0.9	1.6	16.6	470.2
	071221621075	16 x 0.75	0.44	1	12.9	0.9	1.6	17.9	569.8
	071222021075	20 x 0.75	0.44	1	14.3	0.9	1.7	19.4	635.5
	071222421075	24 x 0.75	0.44	1	15.9	1.25	1.7	21.8	837.3
	071220220001	2 x 1	0.44	1	7.0	0.9	1.4	11.7	237.7
	071220420001	4 x 1	0.44	1	8.1	0.9	1.5	12.8	294.3
	071220520001	5 x 1	0.44	1	8.8	0.9	1.5	13.5	327.8
	071220820001	8 x 1	0.44	1	10.6	0.9	1.5	15.5	422.5
	071221020001	10 x 1	0.44	1	12	0.9	1.6	17.0	490.3
	071221220001	12 x 1	0.44	1	12.4	0.9	1.6	17.4	528.9
	071221620001	16 x 1	0.44	1	13.8	0.9	1.6	18.8	649.3
	071222020001	20 x 1	0.44	1	15.3	1.25	1.7	21.2	824.0
	071222420001	24 x 1	0.44	1.2	17.4	1.25	1.8	23.4	982.5
	071220221105	2 x 1.5	0.44	1	7.7	0.9	1.5	12.4	268.0
	071220421105	4 x 1.5	0.44	1	8.8	0.9	1.5	13.6	340.2
	071220521105	5 x 1.5	0.44	1	9.6	0.9	1.5	14.5	382.2
	071220821105	8 x 1.5	0.44	1	11.8	0.9	1.6	16.7	501.8
	071221021105	10 x 1.5	0.44	1	13.3	0.9	1.6	18.4	587.1
	071221221105	12 x 1.5	0.44	1	13.8	0.9	1.6	18.8	638.9

	Part Number	No. of Cores & Nom. Cross Sectional Area (Sq. mm)	Min. Insulation Thickness (mm)	Nominal Inner Sheath Thickness (mm)	Approx. Dia. Over Inner Sheath (mm)	Nominal Dia. of Armour Wire (mm)	Nominal Outer Sheath Thickness (mm)	Approx. Cable Diameter (mm)	Approx. Cable Weight (kg/km)
Class 2 Conductor	071221621105	16 x 1.5	0.44	1	15.3	1.25	1.7	21.2	860.4
	071222021105	20 x 1.5	0.44	1.2	17.5	1.25	1.8	23.5	1033.7
	071222421105	24 x 1.5	0.44	1.2	19.4	1.25	1.8	25.5	1202.6
	071220221205	2 x 2.5	0.53	1	8.9	0.9	1.5	13.7	325.0
	071220421205	4 x 2.5	0.53	1	10.3	0.9	1.5	15.2	426.5
	071220521205	5 x 2.5	0.53	1	11.3	0.9	1.6	16.2	484.6
	071220821205	8 x 2.5	0.53	1	13.9	0.9	1.6	19.0	651.1
	071221021205	10 x 2.5	0.53	1	15.8	1.25	1.7	21.7	871.3
	071221221205	12 x 2.5	0.53	1	16.4	1.25	1.7	22.3	951.1
	071221621205	16 x 2.5	0.53	1.2	18.6	1.25	1.8	24.7	1170.4
	071122021205	20 x 2.5	0.53	1.2	20.8	1.25	1.9	27.0	1376.2
	071122421205	24 x 2.5	0.53	1.2	23.1	1.25	1.9	29.4	1587.1