



RE-Y(St)YSWAY-PiMF/TiMF	(CU/PVC/PSCR(TSCR))/OSCR/PVC(SWA/PVC)
RE-2Y(St)YSWAY-PiMF/TiMF	(CU/PE/PSCR(TSCR))/OSCR/PVC(SWA/PVC)
RE-2X(St)YSWAY-PiMF/TiMF	(CU/XLPE/PSCR(TSCR))/OSCR/PVC(SWA/PVC)



Construction

Conductor	Plain annealed stranded copper wires (IEC 228, HD 383, BS 6360, VDE 0295 Class 2)
Insulation	PVC (EN 50290 -2 / VDE 0207 Y11), PE (VDE 0207 2Y11) or XLPE
Core Colors	Pair Black/White, numbered Triple Black/White/Red, numbered
Individual Separator	Polyester tape
Individual Shielding	AL-PES tape (with 0.60 mm tinned copper drain wire)
Communication Core	0.50 mm ² XLPE insulated, orange (for more than one pair or triple cables)
Layer-up	Shielded Pairs/Triples in layers are stranded together with the communication core
Separator	Polyester tape
Overall Shielding	AL-PES tape (with 7x0.30 mm tinned copper drain wire)
Inner Sheath	PVC, Black (VDE 0207 YM1/HD 21.1.S4 TM1)
Armour	Round galvanized steel wire (Min. Diameter 0.90 mm)
Sheath	UV resistant, Flame retardant PVC (EN 50290 -2 / VDE 0207 YM1/HD 21.1.S4 TM1), Black or Blue (RAL 5015) (other colors upon request)
Reference Standards	BS 5308 part1, part2; EN 50288-7; VDE 0815

Technical and Electrical Properties (20°C)

Cross Section (mm ²)	0.50	0.75	1.00	1.30	1.50	2.50
Conductor (Cu) (stranded)	7x0.30 mm	7x0.37 mm	7x0.43 mm	7x0.49 mm	7x0.52 mm	7x0.67 mm
Insulation Thickness (nom.mm)	0.40	0.40	0.40	0.50	0.50	0.60
Conductor Resistance (max.Ω/km)	36	24.5	18.1	14.2	12.1	7.41
I/R Ratio (max.)	25μH/ Ω	25μH/ Ω	25μH/ Ω	40μH/ Ω	40μH/ Ω	60μH/ Ω
Operating Voltage	300V / 500 V					
Test Voltage	Core/Core 2000 V Core/Screen 1000 V					
Capacitance (800 Hz) max.nF/km	PVC Insulation:220 PE Insulation:115 XLPE Insulation:115 Capacitance values may increase by 20% up to 4 pairs.					
Capacitance Unbalanced (max.)	500pF / 500m					
Insulation Resistant (min. M.Ωxkm)	PVC :100 PE: 5000 XLPE: 5000					
Temperature Range	PVC and PE : fixed -30°C.....+70°C,, during installation -5°C.....+50°C : fixed -30°C.....+90°C,, during installation -5°C.....+50°C					
Min. Bending Radius (fixed)	10 x Cable diameter					
Oxygen Index	Min. 29%					
Flame Tests	IEC 60332-1, IEC 60332-3-22 (CAT-A), (BS 4066 part 183), EN 50266-2-2					
Oil Resistance (IEC 60811)	ASTM No 2 oil 70°C 4 hours					

For the Yw and LSF (heat resistant PVC and low smoke fume) versions please contact our sales dept.



PART NUMBER	NO. OF CORES/ CROSS SECTION (mm²)	CABLE DIAMETER (mm) (±5%)	COPPER WEIGHT (Kg/Km)	CABLE WEIGHT PE, XLPE INSULATION (Kg/Km)
0.50 mm²				
50Y60502-X	2x2x0.50	12.20	35	315
50Y60504-X	4x2x0.50	14.80	58	430
50Y60508-X	8x2x0.50	18.00	105	602
50Y60510-X	10x2x0.50	21.00	130	811
50Y60512-X	12x2x0.50	22.00	153	904
50Y60516-X	16x2x0.50	24.20	202	1,010
50Y60520-X	20x2x0.50	28.00	252	1,401
50Y60524-X	24x2x0.50	30.50	302	1,690

0.75 mm²

50Y60802-X	2x2x0.75	13.50	45	345
50Y60804-X	4x2x0.75	17.00	77	490
50Y60808-X	8x2x0.75	19.50	150	795
50Y60810-X	10x2x0.75	22.50	180	960
50Y60812-X	12x2x0.75	24.00	215	1,080
50Y60816-X	16x2x0.75	27.50	280	1,520
50Y60820-X	20x2x0.75	29.50	350	1,750
50Y60824-X	24x2x0.75	32.00	419	2,250

1.00 mm²

50Y61002-X	2x2x1.00	13.80	54	385
50Y61004-X	4x2x1.00	17.00	96	540
50Y61008-X	8x2x1.00	21.00	185	902
50Y61010-X	10x2x1.00	24.20	225	1,110
50Y61012-X	12x2x1.00	25.80	272	1,352
50Y61016-X	16x2x1.00	29.80	360	1,701
50Y61020-X	20x2x1.00	31.00	450	1,880
50Y61024-X	24x2x1.00	35.80	538	2,480

The cable weight can be slightly higher in PVC insulated version.

X: Sheath Colors (0:Blue, 1:Black, 2:Gray)

PART NUMBER	NO. OF CORES/ CROSS SECTION (mm²)	CABLE DIAMETER (mm) (±5%)	COPPER WEIGHT (Kg/Km)	CABLE WEIGHT PE, XLPE INSULATION (Kg/Km)
1.30 mm²				
50Y61302-X	2x2x1.30	15.20	65	460
50Y61304-X	4x2x1.30	19.40	120	655
50Y61308-X	8x2x1.30	24.70	230	1,101
50Y61310-X	10x2x1.30	28.80	288	1,570
50Y61312-X	12x2x1.30	30.30	340	1,705
50Y61316-X	16x2x1.30	33.80	455	2,010
50Y61320-X	20x2x1.30	35.80	570	2,520
50Y61324-X	24x2x1.30	38.70	680	2,920

1.50 mm²

50Y61502-X	2x2x1.50	16.00	72	470
50Y61504-X	4x2x1.50	20.50	135	810
50Y61508-X	8x2x1.50	25.00	258	1,150
50Y61510-X	10x2x1.50	29.00	318	1,620
50Y61512-X	12x2x1.50	30.00	380	1,770
50Y61516-X	16x2x1.50	33.50	502	2,118
50Y61520-X	20x2x1.50	36.50	625	2,680
50Y61524-X	24x2x1.50	40.20	750	3,082

Y: Insulation Type (0:PVC, 2:PE, 4:XLPE)

* Please contact our sales dept. for the 2.50 mm² cross section, STA armoured and triple versions.

* Black PE sheathed or PE inner sheathed type also available.