

APPLICATION RANGE

1. Instrumentation and control engineering analog and digital signal transmission
2. In chemistry industry
3. Petrochemistry industry
4. Power plants
5. Indoors and outdoors, dry, damp and wet environments
6. Gas Stations
7. Water Conveyance Systems

CONSTRUCTION

Conductor	Stranded electrolytic copper wire Class 2 (BS EN 60228:2005)
Insulation	PE (Polyolethylen) Compound (EN 50290-2-23)
Colour Code	Black/White, each pair numbered
Individual Screen	PES Tape + Tinned Copper Drain Wire (0,5 mm2) + AL-PES Tape
Stranding	Pairwise, screened pairs in layers
Wrapping	PES Tape
Overall Screen	Tinned Copper Drain Wire (0,5 mm2) + AL-PES Tape
Inner Sheath	PVC (Polyviniyl Chloride) Compound (EN 50290-2-22)
Armour	Galvanised Steel Wire Armoured
Sheath	PVC (Polyviniyl Chloride) Compound (EN 50290-2-22)
Sheath Colour	RAL 9005 Black ; RAL 5015 Blue ; RAL 7001 Grey

TECHNICAL SPECIFICATION

Temperature Range	-30°C to +70°C (Fixed Installation)
Minimum Bending Radius	7,5 x outer diameter
Flame Retardant	Test on single cable : IEC 60332-1-2 Test on bunched cable : IEC 60332-3-24 (Cat. C)

ELECTRICAL SPECIFICATION

Conductor cross-section	nom.	mm ²	0,5	0,75	1	1,3	1,5
Conductor resistance	max.	Ω/km	36,7	25	18,5	14,2	12,3
Insulation resistance	min.	MΩxkm	5000				
Mutual capacitance	max.	nF/km	100				
L/R ratio	max.	μH/Ω	25			40	
Test voltage Urms (core:core)		V	2000				
Test voltage Urms (core:screen)		V	2000				
Operating Voltage		V	300				



RE-2Y(St)YSWAY-fi PiMF

CROSS SECTION	OUTER DIA. ±(%5)	G
mm²	mm	Kg/Km
2x2x0,5	13,40	328,0
4x2x0,5	14,80	406,7
5x2x0,5	16,20	473,3
6x2x0,5	17,10	519,4
8x2x0,5	20,40	757,5
10x2x0,5	21,50	836,8
12x2x0,5	22,30	911,9
2x2x0,75	14,20	361,7
4x2x0,75	16,10	472,4
5x2x0,75	17,20	529,7
6x2x0,75	18,90	687,6
8x2x0,75	21,80	852,1
10x2x0,75	23,40	972,4
2x2x1	14,90	392,0
4x2x1	17,00	519,4
5x2x1	18,90	688,3
6x2x1	20,40	781,3
2x2x1,3	16,40	458,9
4x2x1,3	19,40	717,8
5x2x1,3	20,80	807,6
6x2x1,3	22,30	908,2
2x2x1,5	17,10	488,8
4x2x1,5	19,60	657,9
5x2x1,5	21,80	867,3
6x2x1,5	23,60	988,5

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Conductor resistance	max.	Ω/km	36,7	25	18,5	14,2	12,3
Insulation resistance	min.	MΩxkm	5000				
Mutual capacitance	max.	nF/km	100				
Inductance	max.	mH/km	1				
Capacitance unbalance	max.	pf/500 m	500				
L/R ratio	max.	μH/Ω	25			40	
Test voltage Urms (core:core)		V	2000				
Test voltage Urms (core:screen)		V	2000				
Operating Voltage		V	500				



RE-2Y(St)YSWAY-fi PiMF

CROSS SECTION	OUTER DIA. \pm (%5)	G
mm ²	mm	Kg/Km
2x2x0,5	14,90	372,3
4x2x0,5	17,00	483,8
5x2x0,5	18,20	541,0
6x2x0,5	19,70	617,4
8x2x0,5	22,50	854,9
10x2x0,5	25,10	1009,0
12x2x0,5	25,70	1075,6
2x2x0,75	16,00	421,6
4x2x0,75	17,90	532,5
5x2x0,75	19,60	620,3
6x2x0,75	21,50	800,5
8x2x0,75	23,90	956,0
10x2x0,75	26,60	1121,8
12x2x0,75	27,50	1217,2
2x2x1	16,80	455,8
4x2x1	19,00	592,2
5x2x1	21,30	792,2
6x2x1	23,10	902,6
2x2x1,3	17,50	491,7
4x2x1,3	20,80	771,6
5x2x1,3	22,50	881,6
6x2x1,3	24,20	989,8
2x2x1,5	17,70	504,1
4x2x1,5	21,00	791,9
5x2x1,5	22,80	908,9
6x2x1,5	24,40	1016,7