

# Industry

## RE-2X(st)YSWAY-fl PiMF



TKF, Instrumentation cable RE-2X(st)YSWAY-fl PIMF / (XLPE/ISCR/OSCR/PVC/SWA/PVCfrtt).  
 Application: For transmission of analogue and digital signals in measurement and process control.  
 Suitable for use in zone 1 and zone 2 group II classified areas (IEC 60079-14).  
 The individual screening of each pair limits the consequences of crosstalk.  
 Use: These cables can be used in cable trays, conduits or direct burial applications in industrial installations (e.g. Oil & Gas-, Process industry, etc..) where there is a potential risk of mechanical damage.  
 Constructions also available in Halogen Free (HFFR) Flame retardant acc. IEC 60332-3-22 Cat. A and/or with Circuit Integrity (Fire Resistant) acc. IEC 60331-21.

Characteristics	Properties	Unit
Product group	Signal cables	
Series	Instrumentation cable	
Type	RE-2X(st)YSWAY-fl PiMF	
Armouring	Yes	
Radial water blocking	Yes	
Stranding	Layers	
Core identification	Article dependant, see detail sheet	
Conductor category	Class 2 = stranded	
Core insulation	XLPE	
Screen over stranding element	Drainwire solid - Al/Polyester foil	
Screen over stranding	Foil - drainwire - Al/Polyester foil - foil	
Material outer sheath	PVC	
Flame retardant	IEC 60332-3-24 Cat. C	
Operating temperature, flexible	-5 / 50	°C
Operating temperature, fixed	-30 / 70	°C
Construction and Colour codes	See appendix	

Partnumber	Construction	Colour insulated wires	Colour outer sheath	over inner sheath (nom.)	Outer sheath thickness (mm)	Outer diameter approx. (mm)	Net weight
15104	2 x 2 x 0,5 mm <sup>2</sup>	Black and white	Black	9,1	1,4	13,8	325
15304	2 x 2 x 0,5 mm <sup>2</sup>	Black and white	Blue	9,1	1,4	13,8	326
15305	4 x 2 x 0,5 mm <sup>2</sup>	Black and white	Blue	10,4	1,4	15,1	389
15105	4 x 2 x 0,5 mm <sup>2</sup>	Black and white	Black	10,4	1,4	15,1	388
15106	8 x 2 x 0,5 mm <sup>2</sup>	Black and white	Black	13,3	1,5	18,2	542
15306	8 x 2 x 0,5 mm <sup>2</sup>	Black and white	Blue	13,3	1,5	18,2	543
15307	12 x 2 x 0,5 mm <sup>2</sup>	Black and white	Blue	15,9	1,6	21,7	817
15107	12 x 2 x 0,5 mm <sup>2</sup>	Black and white	Black	15,9	1,6	21,7	816



Partnumber	Construction	Colour insulated wires	Colour outer sheath	Diameter over inner sheath (nom.) (mm)	Outer sheath thickness (mm)	Outer diameter approx. (mm)	Net weight
15108	16 x 2 x 0,5 mm <sup>2</sup>	Black and white	Black	18,1	1,7	24,1	980
15308	16 x 2 x 0,5 mm <sup>2</sup>	Black and white	Blue	18,1	1,7	24,1	981
15309	24 x 2 x 0,5 mm <sup>2</sup>	Black and white	Blue	21,9	1,8	27,2	1165
15109	24 x 2 x 0,5 mm <sup>2</sup>	Black and white	Black	21,9	1,8	27,2	1164
15110	2 x 2 x 0,75 mm <sup>2</sup>	Black and white	Black	9,8	1,4	14,5	362
15310	2 x 2 x 0,75 mm <sup>2</sup>	Black and white	Blue	9,8	1,4	14,5	362
15311	4 x 2 x 0,75 mm <sup>2</sup>	Black and white	Blue	11,5	1,5	16,4	459
15111	4 x 2 x 0,75 mm <sup>2</sup>	Black and white	Black	11,5	1,5	16,4	459
15112	8 x 2 x 0,75 mm <sup>2</sup>	Black and white	Black	14,7	1,6	19,8	646
15312	8 x 2 x 0,75 mm <sup>2</sup>	Black and white	Blue	14,7	1,6	19,8	648
15313	12 x 2 x 0,75 mm <sup>2</sup>	Black and white	Blue	17,5	1,7	23,5	973
15113	12 x 2 x 0,75 mm <sup>2</sup>	Black and white	Black	17,5	1,7	23,5	972
15114	16 x 2 x 0,75 mm <sup>2</sup>	Black and white	Black	19,9	1,7	26,0	1158
15314	16 x 2 x 0,75 mm <sup>2</sup>	Black and white	Blue	19,9	1,7	26,0	1159
15399	20 x 2 x 0,75 mm <sup>2</sup>	Black and white	Black	22,1	1,8	27,4	1234
15315	24 x 2 x 0,75 mm <sup>2</sup>	Black and white	Blue	23,9	1,8	29,2	1402
15115	24 x 2 x 0,75 mm <sup>2</sup>	Black and white	Black	23,9	1,8	29,2	1401
15116	2 x 2 x 1,3 mm <sup>2</sup>	Black and white	Black	11,8	1,5	16,7	462
15316	2 x 2 x 1,3 mm <sup>2</sup>	Black and white	Blue	11,8	1,5	16,7	460
15317	4 x 2 x 1,3 mm <sup>2</sup>	Black and white	Blue	13,9	1,5	18,8	579
15117	4 x 2 x 1,3 mm <sup>2</sup>	Black and white	Black	13,9	1,5	18,8	578
14897	4 x 2 x 1,3 mm <sup>2</sup>	Black and white	Blue	13,9	1,5	18,8	669
15118	8 x 2 x 1,3 mm <sup>2</sup>	Black and white	Black	17,8	1,7	23,8	992
15318	8 x 2 x 1,3 mm <sup>2</sup>	Black and white	Blue	17,8	1,7	23,8	993
15319	12 x 2 x 1,3 mm <sup>2</sup>	Black and white	Blue	21,4	1,7	26,5	1165
15119	12 x 2 x 1,3 mm <sup>2</sup>	Black and white	Black	21,4	1,7	26,5	1164
15120	16 x 2 x 1,3 mm <sup>2</sup>	Black and white	Black	24,6	1,8	29,9	1439
15320	16 x 2 x 1,3 mm <sup>2</sup>	Black and white	Blue	24,6	1,8	29,9	1440
14895	16 x 3 x 1,3 mm <sup>2</sup>	White - Red - Black	Blue	24,6	1,8	29,9	1737
15321	24 x 2 x 1,3 mm <sup>2</sup>	Black and white	Blue	29,5	2,0	35,2	1912
15121	24 x 2 x 1,3 mm <sup>2</sup>	Black and white	Black	29,5	2,0	35,2	1910