LK INSTRUMENTATION

RE-2X(ST)YSWAY-FL PimF

Standard: EN 50288-7 Basically

XLPE / PSCR / OSCR/ PVC / SWA / PVC

LOW VOLTAGE 300/500 V

DESIGN

1 Conductor
Multi stranded annealed electrolytic copper, class 2 based on IEC 60228.
Cross section 0,75 mm², 1,0 mm², 1,5 mm².

2 Insulation
XLPE
Core identification
Pair: Black & White Each unit numbered.
(Others Colours available on request)

Laying-up
Twisted pairs.

3 Individual Screen
Individual polyester (PET) (per pair) composed by on aluminum / polyester tape with 100% coverage + tinned copper drain wire.

4 Overall Screen
Aluminum + polyester (PEPT) tape with 100% coverage + tinned copper drain wire.

5 Inner Sheath (Bedding)
PVC flame retardant - Black color

6 Armour
Galvanized steel wire armour with 0,8 mm of nominal diameter, helically placed over the separation sheath.

7 Outer Sheath
PVC flame retardant sheath, black color.
Blue for IS. (upon request)

APPLICATIONS

Screened cable for data transmission between industrial equipment. The overall screen and individual (per pair) and overall screen make them especially suitable for their use in high electromagnetic noise environments.

APPLICATIONS
-Industrial use

APPROVALS
-RoHS

THERMAL PERFORMANCE
-Maximum services temperature: 90°C
-Minimum services temperature: -20°C

ELECTRICAL PERFORMANCE
-Low Voltage : 500V
-Test Voltage : AC 2000V

BASED ON
-EN 50288-7

FIRE PERFORMANCE
-Flame non-propagation base on IEC 60332-1
-Fire non-propagation base on IEC 60332-3-24

MECHANICAL PERFORMANCE
-Minimum bending radius: 15 x Cable diameter

INSTALLATION CONDITIONS
-Buried
-In conduit
-Open Air

ENVIRONMENTAL PERFORMANCE
-UV Resistance
-Water resistance: AD5 Jets
-Chemical & Oils resistance: Good

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Cable Type Pair x Size	Nom. Ins. Thick mm	Jacket Thick. Nom mm	Dia. of Cable under armour mm	Armour wire thickness mm	Dia. of Cable over armour mm	Outer Jacket thickness mm	Outer Jacket O.D. Approx. mm
2x2x1,5	0,5	1,0	10,8	0,8	12,4	1,2	14,8
4x2x1,5	0,5	1,0	12,5	0,8	14,1	1,3	16,7
6x2x1,5	0,5	1,0	15,1	0,8	16,7	1,4	19,7
8x2x1,5	0,5	1,0	16,4	1,6	19,6	1,5	22,7
12x2x1,5	0,5	1,0	20,0	1,6	23,2	1,6	26,6
16x2x1,5	0,5	1,2	22,8	1,6	26,0	1,7	29,6
24x2x1,5	0,5	1,2	28,4	1,6	31,6	1,9	35,6

Cable Type Pair x Size	Inductance (Ohm/km)	Capacitance between cond. uF/km	Resistance (Ohm/ km)	Weight (kg/ km).
2x2x1,5	0,294	0,246	13,3	375
4x2x1,5	0,294	0,246	13,3	495
6x2x1,5	0,294	0,246	13,3	650
8x2x1,5	0,294	0,246	13,3	1.050
12x2x1,5	0,294	0,246	13,3	1.345
16x2x1,5	0,294	0,246	13,3	1.645
24x2x1,5	0,294	0,246	13,3	2.200