

LK INSTRUMENTATION

RE-2X(ST)YSWAY-FL

Standard: EN 50288-7 Basically
XLPE / 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 Overall Screen**
Aluminum + polyester (PEPT) tape with 100% coverage + tinned copper drain wire.
- 4 Inner Sheath (Bedding)**
PVC flame retardant - Black color
- 5 Armour**
Galvanized steel wire armour., with 0,8 mm of nominal diameter, helically placed over the separation sheath.
Polyester (PET) tape (optional)
- 6 Outer Sheath**
PVC flame retardant sheath, black color.
Blue for IS. (upon request)

APPLICATIONS

Screened cable for data transmission between industrial equipment. The overall/collective screen make them especially suitable for their use in high electromagnetic noise environments.

APPLICATIONS
-Industrial use

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

BASED ON
-EN 50288-7

MECHANICAL PERFORMANCE
-Minimum bending radius: 15 x Cable diameter

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

APPROVALS
-RoHS

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

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

INSTALLATION CONDITIONS
-Buried
-In conduit
-Open Air

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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	OuterJacket O.D. Approx. mm
1x2x1,5	0,5	1,0	6,9	0,8	8,5	1,2	10,9
2x2x1,5	0,5	1,0	10,5	0,8	12,1	1,2	14,5
4x2x1,5	0,5	1,0	12,1	0,8	13,8	1,3	16,4
6x2x1,5	0,5	1,0	14,7	0,8	16,3	1,4	19,2
8x2x1,5	0,5	1,0	15,5	0,8	17,1	1,4	20,0
12x2x1,5	0,5	1,0	19,5	1,6	22,7	1,6	26,0
16x2x1,5	0,5	1,2	22,2	1,6	25,4	1,7	28,9
24x2x1,5	0,5	1,2	27,6	1,6	30,8	1,9	34,7
1x3x1,5	0,5	1,0	7,2	0,8	8,8	1,2	11,2

Cable Type Pair x Size	Inductance (Ohm/km)	Capacitance between cond. uF/km	Resistance (Ohm/ km)	Weight (kg/ km).
1x2x1,5	0,244	0,246	13,3	225
2x2x1,5	0,294	0,246	13,3	355
4x2x1,5	0,294	0,246	13,3	455
6x2x1,5	0,294	0,246	13,3	590
8x2x1,5	0,294	0,246	13,3	690
12x2x1,5	0,294	0,246	13,3	1.235
16x2x1,5	0,294	0,246	13,3	1.505
24x2x1,5	0,294	0,246	13,3	2.000
1x3x1,5	0,294	0,246	13,3	250

