

# LK INSTRUMENTATION

## RE-2X(ST)Y-FL

Standard: EN 50288-7 Basically  
**XLPE / OSCR / PVC**  
LOW VOLTAGE 300/500 V



### DESIGN

#### 1 Conductor

Multi stranded annealed electrolytic copper, class 2 based on IEC 60228.  
Cross section 0,75 mm<sup>2</sup>, 1,0 mm<sup>2</sup>, 1,5 mm<sup>2</sup> .

#### 2 Insulation

XLPE  
Core identification  
Pair: black & white. Each unit numbered.  
(Others Colours available on request)

#### Laying-up

Twisted pairs, assembled in concentric layers.

#### 3 Overall Screen

Aluminum + polyester (PEPT) tape with 100% coverage + tinned copper drain wire of 0.5 mm.

#### Q 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: 7.5 x Cable diameter



**ENVIRONMENTAL PERFORMANCE**  
-UV Resistance  
-Water resistance: AD5 Jets  
-Chemical Et 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**  
-In conduit  
-Open Air

Item No.	Cross-section mm <sup>2</sup>	Cu content kg/km	Outer diameter approx.mm	Weight approx. kg/km
1	1x2x0.75	20.0	7.5	70
2	2x2x0.75	33.6	9.7	108
3	4x2x0.75	62.4	10.4	134
4	6x2x0.75	91.2	13.7	241
5	8x2x0.75	120.0	15.5	290
6	10x2x0.75	148.8	18.0	380
7	12x2x0.75	177.6	18.6	408
8	16x2x0.75	235.2	20.6	519
9	24x2x0.75	350.4	25.8	758
10	1x2x1.0	28.5	8	78
11	2x2x1.0	45.6	10.4	124
12	4x2x1.0	84.0	12.2	195
13	6x2x1.0	122.4	14.7	286
14	8x2x1.0	160.8	16.6	348
15	10x2x1.0	199.2	19.0	431
16	12x2x1.0	237.6	19.7	494
17	16x2x1.0	314.4	22.1	632
18	24x2x1.0	468.0	27.7	926
19	1x2x1.5	36.0	9.0	90
20	2x2x1.5	64.8	11.4	157
21	4x2x1.5	122.4	13.5	253
22	6x2x1.5	180.0	16.3	371
23	8x2x1.5	237.6	18.4	460
24	10x2x1.5	295.2	21.5	580
25	12x2x1.5	335.8	22.0	659
26	16x2x1.5	468.0	24.5	848
27	24x2x1.5	698.4	30.8	1249
28	1x2x2.5	55.2	10.5	165
29	1x3x0.75	32.0	9.3	80
30	1x3x1.0	36.0	10.3	100
31	1x3x1.5	50.4	10.8	120