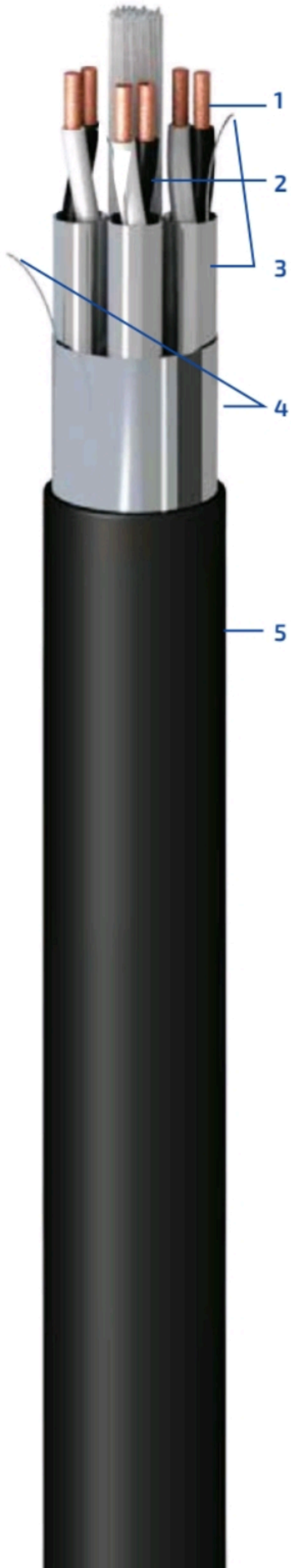


# LK INSTRUMENTATION

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

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



### DESIGN

**1 Conductor**  
 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)

**Cabling**  
 Stranded Conductors in pairs.

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

**Assembly of Cores**  
 Cabled in concentric layers.

**4 Overall Screen**  
 Aluminum / polyester tape with 100% coverage + tinned copper drain wire.

**5 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) 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: ADS 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**  
 -In conduit  
 -Open Air

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Cable Type	Ins. Thick	Nom. Thick. Nom	Jacket Inductance	Capacitance between cond.	Resistance	Outer Jacket thickness	Outer Jacket O.D. Approx.	Weight
Pair x Size	mm	mm	(Ohm/km)	uF/km	(Ohm/km)	mm	mm	(kg/km).
2x2x1,5	0,6	1,2	0,294	0,246	13,3	1,20	11,1	125
4x2x1,5	0,6	1,2	0,294	0,246	13,3	1,20	12,8	190
6x2x1,5	0,6	1,2	0,294	0,246	13,3	1,20	15,7	265
8x2x1,5	0,6	1,3	0,294	0,246	13,3	1,20	17,4	345
12x2x1,5	0,6	1,4	0,294	0,246	13,3	1,40	20,7	490
16x2x1,5	0,6	1,5	0,294	0,246	13,3	1,50	23,4	635
24x2x1,5	0,6	1,7	0,294	0,246	13,3	1,70	29,5	935

