

LK INSTRUMENTATION

RE-2X(ST)YSWAY-FL

XLPE / OSCR/ PVC / SWA / PVC

LOW VOLTAGE 300/500 V



DESIGN

1 Conductor

Multi stranded annealed electrolytic copper, class 5, (flexible) based on IEC 60228.
Cross section 0,75 mm² , 1,0 mm² , 1,5 mm² .

2 Insulation

XLPE (According to IEC 60502-1)
Core identification **Pair**: black & white. Each unit numbered.
Triad: black & white & red. Each unit numbered.
Other 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, hellically placed over the separation sheath.

Polyester (PET) tape (optional)

6 Outer sheath

Flexible PVC flame retardant sheath, black color.

Blue for IS. (upon request)

APPLICATIONS

Screened flexible 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.

CHARACTERISTICS



Flexible conductor class 5



Minimum bending radius: 10 x cable diameter



UV Resistant



Minimum service temperature: -30°C



Meter by meter marking



Maximum service temperature: 90°C



Flame non-propagation IEC 60332-1



Maximum short-circuit temperature: 250°C (max. 5 s)



Flame retardant (Fire non propagation) IEC 60332-3-22 (Cat A)

INSTALLATION CONDITIONS



Industrial use



Petrochemical



In conduit