RE-2Y(St)YSWAY - fl OS Armoured LSLH

RE-2Y(St)YSWAY - fl OS Armoured LSLH 1x2x0.75

Reference: 10098178
EAN 13: 3427580121715

CONTACT

Market information
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- Intrumentation cables 300 V
- Overall screen (OS)
- **Low smoke, low halogen (LSLH)**
- **Oil resistant**

STANDARDS

Product IEC 60228

Test IEC 60332-3-22 Cat.A; IEC 60754; IEC 61034

APPLICATIONS

These cables are intended for transmission of analogue and digital signals. They allow transmission over long distances at high pulse rates. These cables are used in industrial installations (refineries, chemical plants, etc...) where there is a potential risk of mechanical damage.

Design

Conductor:

Stranded bare copper (class 2)

Insulation:

Polyethylene (PE)

Overall screen:

Tinned copper drain wire

Aluminium/polyester tape

Inner sheath:

Polyvinyl chloride (PVC)

Colour: black

Armour:

Galvanized steel wires (SWA)

Outer sheath:

Polyvinyl chloride (PVC)

Special low smoke, low halogen (LSLH)

Colour: black or blue

Fire retardant: IEC 60332-3-22(A), limiting oxygen index > 30 as par ASTM D 2863

Low smoke: IEC 61034-2, transmittance > 40 %

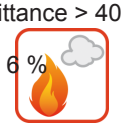
Low halogen: IEC 60754-1 HCL < 6 %


Conductor flexibility
Stranded class 2


Mechanical resistance to impacts
Good


Fire retardant
EN IEC 60332-3-22 Cat.A


Oil resistance
ASTM D 1047


Smoke density
Low


Operating temp.
-20 ... 60 °C


Max.conductor temp.in service
70 °C

Core identification

Pair:Black/white

Triple:Black/white/red
For multipair White core printed with pair number

Marking

NEXANS 279 YYYY RE - 2Y(St)YSWAY - fl LSLH 300V Nber of pairs & cross-section IEC 60332-3-22(A) + metric marking

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RE-2Y(St)YSWAY - fl OS Armoured LSLH 1x2x0.75

CHARACTERISTICS

Construction characteristics	
Conductor material	Bare copper
Conductor flexibility	Stranded class 2
Insulation	PE
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Inner sheath	PVC
Armour type	Galvanized steel wires
Outer sheath	PVC
Sheath colour	Black
Dimensional characteristics	
Number of pairs	1
Conductor cross-section	0.75 mm²
Diameter over inner sheath	5.9 mm
Diameter over armour	7.7 mm
Minimum outer diameter	10.0 mm
Maximum outer diameter	11.1 mm
Approximate weight	236 kg/km
Number of triples	-
Electrical characteristics	
Operating voltage	300 V
Mechanical characteristics	
Mechanical resistance to impacts	Good
Usage characteristics	
Fire retardant	EN IEC 60332-3-22 (cat A)
Oil resistance	ASTM D 1047
Smoke density	Low
Operating temperature, range	-20 ... 60 °C
Max. conductor temperature in service	70 °C
Standard	EN

Conductor flexibility
Stranded class 2

Mechanical resistance to impacts
Good

Fire retardant
EN IEC 60332-3-22 (cat A)

Oil resistance
ASTM D 1047

Smoke density
Low

Operating temp.
-20 ... 60 °C

Max.conductor temp.in service
70 °C

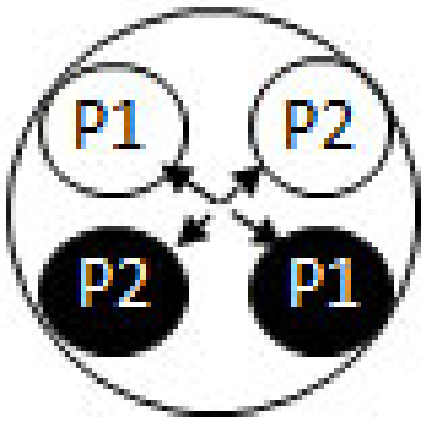
ELECTRICAL CHARACTERISTICS AT 20°C

Electrical data AT 20°C

Cables (mm²)	Conductor Resistance max. (Ohm / km)	Insulation Resistance min. (Mohm.km)	Mutual Capacitance at 800 Hz maximum (nF / km)			L/R ratio max (µH / ohm)	Test Voltage (core/core) (V)
			Single pair	Up to 4 pairs	Above 4 pairs		
0.5	36.7	5 000	115	95	80	25	2 000
0.75	24.9	5 000	115	95	80	25	2 000
1.34	14.2	5 000	115	95	80	40	2 000

CORE IDENTIFICATION FOR 2 PAIR CABLES

2 pairs: black P1 - black P2
white P1 - white P2



SELLING AND DELIVERY INFORMATION

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations

2 pair cables are assembled as a quad (black and white cores both printed with pair number)

Conductor flexibility
Stranded class 2

Mechanical resistance to impacts
Good

Fire retardant
EN IEC 60332-3-22 (cat A)

Oil resistance
ASTM D 1047

Smoke density
Low

Operating temp.
-20 ... 60 °C

Max.conductor temp.in service
70 °C