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

RE - 2Y(St)YSWAY - fl OS Armoured LSLH 24x2x1.34

Reference: 10098193
EAN 13: 3427580121869

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
트위스팅 레벨 2


Mechanical resistance to impacts
Good


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


Oil resistance
ASTM D 1047


연기밀도
Low


Operating temp.
- 20 ... 60 ° C


Max.conductor temp.in service
70 ° C

Core identification

Pair: Black/white

Triple: Black/white/red

Four: 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

Designation

RE: Instrumentation cable

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

RE - 2Y(St)YSWAY - fl OS Armoured LSLH 24x2x1.34

CHARACTERISTICS

구조적 특성	
도체 재료	베어 구리 와이어
Conductor flexibility	트위스팅 레벨 2
절연	폴리에틸렌
Overall screen	Tinned copper drain wire + aluminium/polyester tape
내피	폴리염화비닐
Armour type	아연 도금 스틸 와이어
피복	폴리염화비닐
Sheath colour	검은색
치수	
Number of pairs	24
도체 단면적	1.34 mm ²
Diameter over inner sheath	27.5 mm
Diameter over armour	30.0 mm
Minimum outer diameter	32.6 mm
Maximum outer diameter	36.0 mm
무게(근사치)	1938 kg/km
Number of triples	-
전기적 특성	
Operating voltage	300 V
기계적 특성	
Mechanical resistance to impacts	Good
사용 특성	
Fire retardant	EN IEC 60332 - 3 - 22 (cat A)
Oil resistance	ASTM D 1047
연기밀도	Low
操作度范	- 20 ... 60 ° C
Max. conductor temperature in service	70 ° C
Standard	EN


Conductor flexibility
트위스팅 레벨 2


Mechanical resistance to impacts
Good


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


Oil resistance
ASTM D 1047


연기밀도
Low


Operating temp.
- 20 ... 60 ° C


Max.conductor temp.in service
70 ° C

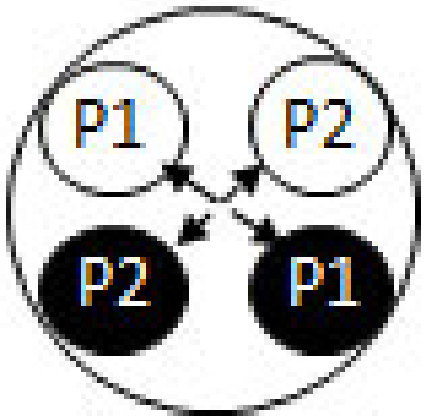
ELECTRICAL CHARACTERISTICS AT 20 ° C

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
트위스팅 레벨 2


Mechanical resistance to impacts
Good


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


Oil resistance
ASTM D 1047


연기밀도
Low


Operating temp.
- 20 ... 60 ° C


Max.conductor temp.in service
70 ° C