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

- 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

CONTACT

Market information
industryprojects.business@lynxeogroup.com

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

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
치수	
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

SECTION 0.5 MM ²

Reference	nb pairs	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	무게(근사치) [kg/km]	Sheath colour
10098167	1	5.4	7.21	9.5	10.5	212	검은색
10201218	2	6.8	7.9	10.2	11.2	232	검은색
10098169	4	9.3	11.1	13.5	14.9	352	검은색
10098113	8	11.8	13.6	15.9	17.5	470	검은색
10098174	12	14	15.8	18.2	20.1	598	검은색
10098175	16	16.2	18.0	20.4	22.5	713	검은색
10098176	20	17.5	20.0	22.5	24.8	953	검은색
10098177	24	18.9	21.4	23.9	26.3	1062	검은색


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

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

SECTION 0.75 MM ²

Reference	nb pairs	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	무게(근사치) [kg/km]	Sheath colour
10098178	1	5.9	7.7	10.0	11.1	236	검은색
10101849	1	5.9	7.7	10.0	11.1	236	파란색
10201219	2	6	7.8	10.1	11.1	236	검은색
10201223	2	6	7.8	10.1	11.1	236	파란색
10098180	4	10.5	12.3	14.6	16.2	411	검은색
10098181	8	13.3	15.1	17.6	19.4	573	검은색
10098182	12	15.9	17.7	20.3	22.4	736	검은색
10098183	16	18.5	21.0	23.5	25.9	1045	검은색
10098184	20	19.9	22.4	25.0	27.6	1176	검은색
10098185	24	21.6	24.1	26.7	29.4	1319	검은색

SECTION 1.34 MM ²

Reference	nb pairs	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	무게(근사치) [kg/km]	Sheath colour
10098186	1	7	8.8	11.0	12.2	289	검은색
10101851	1	7	8.8	11.0	12.2	289	파란색
10201220	2	7.3	9.1	11.3	12.5	296	검은색
10201244	2	7.3	9.1	11.3	12.5	296	파란색
10098188	4	12.9	14.7	17.2	18.9	546	검은색
10101853	4	12.9	14.7	17.2	18.9	546	파란색
10098189	8	16.5	18.3	20.7	22.8	784	검은색
10098190	12	19.8	22.3	24.7	27.3	1189	검은색
10098191	16	23.1	25.6	28.1	31.0	1462	검은색
10098192	20	24.9	27.4	30.1	33.2	1667	검은색
10098193	24	27.5	30.0	32.6	36.0	1938	검은색


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

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

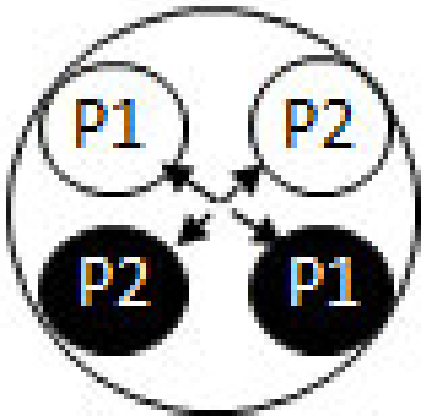
ELECTRICAL CHARACTERISTICS AT 20 ° C

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