EN 50288 - 7 Silicone insulation IOS Unarmoured Fire resistant

- Instrumentation cables 170/300 V
- Individual & Overall Screen (IOS)
- Oil resistant

STANDARDS

Test IEC 60331; IEC 60332 - 3 - 22 Cat.A

APPLICATIONS

These instrumentation and communication cable are used to transmit analogue or digital signals in measurement and process control where chemicals may be present. The individual screening of each pair limits the consequence of crosstalk. They maintain circuit integrity when exposed to fire.

Design

Conductor:

Stranded bare copper class 2

Insulation:

Silicone rubber (Sil)

Individual screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

Polyester tape

Overall screen:

Polyester tape

Tinned copper drain wire

Copper backed polyester tape

Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

Other colour on request.

Core identification

Pair: white - black
White core printed with pair number

Marking

NEXANS 279 SIL/IND.+OA.SCR/PVC 170/300V Nber of pairs & cross - section Cu IEC 60331 IEC 60332 - 3 - 22(A) MM YYYY Manufacturing number + metric marking

Standards

EN 50288 - 7 (Design guide - lines)

정격전압 Uo/U (Um)
170/300V

Fire resistant
IEC 60331

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

Oil resistance
Yes

Electro magnetic interference resistance
Yes

Operating temp.
- 20 ... 60 ° C

Max.conductor temp.in service
90 ° C

CONTACT

Market information
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CHARACTERISTICS

구조적 특성	
도체 재료	베어 구리 와이어
도체 타입	2등급 (연선)
절연	실리콘 수지 고무
Individual screen	Tinned copper drain wire + aluminium/polyester tape
Overall screen	Tinned copper drain wire + copper polyester tape
피복	폴리염화비닐
Protection	no
전기적 특성	
정격전압 Uo/U (Um)	170/300V
사용 특성	
Fire resistant	IEC 60331
Fire retardant	EN IEC 60332 - 3 - 22 (cat A)
Oil resistance	Yes
Electro magnetic interference resistance	Yes
操作度范	- 20 ... 60 ° C
Max. conductor temperature in service	90 ° C
Standard	EN

SECTION 0.5MM ²

Reference	nb pairs	도체지름 [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	무게(근사치) [kg/km]
10134991	2	0.9	2.06	10.8	12.5	138
	5	0.9	2.06	13.6	15.8	244
	10	0.9	2.06	17.2	20.1	403
10134996	20	0.9	2.06	22.3	26.0	696
	30	0.9	2.06	26.5	30.9	996

SECTION 0.75MM ²

Reference	nb pairs	도체지름 [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	무게(근사치) [kg/km]
10134998	2	1.1	2.26	11.4	13.3	153
	5	1.1	2.26	14.5	16.9	273
	10	1.1	2.26	18.5	21.5	460
10135003	20	1.1	2.26	23.9	27.9	789
	30	1.1	2.26	28.6	33.4	1145


정격전압 Uo/U (Um)
170/300V

Fire resistant
IEC 60331


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


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Yes


Electro magnetic
interference
resistance
Yes


Operating temp.
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Max.conductor
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SECTION 1.0MM ²

Reference	nb pairs	도체지름 [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	무게(근사치) [kg/km]
10135005	2	1.28	2.44	12.0	14.0	175
	5	1.28	2.44	15.4	17.9	318
	10	1.28	2.44	19.6	22.9	544
10135010	20	1.28	2.44	25.5	29.7	948
	30	1.28	2.44	30.6	35.7	1388

SECTION 1.5MM ²

Reference	nb pairs	도체지름 [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	무게(근사치) [kg/km]
10135012	2	1.5	2.66	12.7	14.8	207
	5	1.5	2.66	16.4	19.1	391
	10	1.5	2.66	21.1	24.6	687
10135017	20	1.5	2.66	27.5	32.0	1220
	30	1.5	2.66	33.0	38.6	1802

SECTION 2.5MM ²

Reference	nb pairs	도체지름 [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	무게(근사치) [kg/km]
	2	1.91	3.07	14.1	16.4	268
	5	1.91	3.07	18.3	21.3	503
	10	1.91	3.07	23.6	27.5	899
	20	1.91	3.07	31.1	36.2	1633
	30	1.91	3.07	37.5	43.8	2425

SELLING AND DELIVERY INFORMATION

Other fire performances IEC 60332 - 1 or IEC 60332 - 3 - 24(C) and enhanced hydrocarbon resistance on request.

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations

Tinned copper conductors available on request


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