EN 50288 - 7 XLPE Insulation OS Armoured LC Fire Retardant

EN 50288 - 7 XLPE OS Armoured LC 2x2x0,75

Reference: 10134908
EAN 13: 3427580319495

CONTACT

Market information
industryprojects.business@lynxeogroup.com

- Instrumentation cables 170/300 V
- With lead cover (LC)
- Overall Screen (OS)
- Aliphatic and aromatic hydrocarbons resistant

STANDARDS

Test IEC 60332 - 3 - 22 Cat.A

APPLICATIONS

These instrumentation and communication cables are used to transmit analogue or digital signals in measurement and process control. They are well adapted to underground use in industrial applications, in moist areas, where hydrocarbon and mechanical protection are needed. The lead cover brings an enhanced resistance to aromatics hydrocarbons.

Design

Conductor:

Stranded bare copper class 2

Insulation:

Cross - linked polyethylene (XLPE)

Overall screen:

Polyester tape

Tinned copper drain wire,

Aluminium backed polyester tape

Inner sheath:

Polyvinyl chloride (PVC)

Colour: black

Lead sheath:

Bedding (intermediate sheath):

Polyvinyl chloride (PVC)

Colour: black

Armour:

Galvanized steel wires (SWA)

Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

Other colour on request.

Core identification

Pair: white - black
Quad: white - blue - black - red
White core printed with pair number

Marking

NEXANS 270 XLPE/OA SCR/PVC//LC/PVC/SWA/PVC 170/300V Nber of pairs & cross-section Cu IEC 60332-3-22(A) MM YYYY Manufacturing number + metric marking

Standards

EN 50288 - 7 XLPE Insulation OS Armoured LC Fire Retardant

EN 50288 - 7 XLPE OS Armoured LC 2x2x0,75

CHARACTERISTICS

구조적 특성	
도체 재료	베어 구리 와이어
도체 타입	2등급 (연선)
절연	XLPE(가교 폴리에틸렌)
Overall screen	Tinned copper drain wire + aluminium/polyester tape
내피	폴리염화비닐
Lead Sheath	Yes
Intermediate sheath	PVC
Armour type	아연 도금 스틸 와이어
피복	폴리염화비닐
Protection	Yes
치수	
Number of pairs	2
도체 단면적	0.75 mm ^{2}
도체지름	1.1 mm
Diameter over insulation	1.58 mm
Diameter over inner sheath	6 mm
Diameter over lead sheath	7.8 mm
Diameter over intermediate sheath	9.8 mm
Diameter over armour	11.6 mm
Minimum outer diameter	14.0 mm
Maximum outer diameter	15.5 mm
무게(근사치)	589 kg/km
전기적 특성	
정격전압 Uo/U (Um)	170/300V
기계적 특성	
Mechanical resistance to impacts	Good
사용 특성	
Fire retardant	EN IEC 60332 - 3 - 22 (cat A)
Chemical resistance	Aliphatic and aromatic hydrocarbons resistant
Electro magnetic interference resistance	Yes
操作度范	- 20 ... 60 ° C
Max. conductor temperature in service	90 ° C
Minimum dynamic operating bending radius	155.0 mm
Standard	EN

SELLING AND DELIVERY INFORMATION

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


정격전압 Uo/U (Um)
170/300V


Mechanical resistance to impacts
Good


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


Chemical resistance
Aliphatic and aromatic hydrocarbons resistant


Electro magnetic interference resistance
Yes


Operating temp.
- 20 ... 60 ° C


Max.conductor temp.in service
90 ° C


Min. dynamic operating bending rad.
155.0 mm

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations

Tinned copper conductors available on request


정격전압 Uo/U (Um)
170/300V


Mechanical resistance to impacts
Good


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


Chemical resistance
Aliphatic and aromatic hydrocarbons resistant


Electro magnetic interference resistance
Yes


Operating temp.
- 20 ... 60 ° C


Max.conductor temp.in service
90 ° C

Min. dynamic operating bending rad.
155.0 mm