

CHARACTERISTICS**Construction characteristics**

Conductor material	Bare copper
Type of conductor	Stranded, class 2
Insulation	Silicone rubber
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Inner sheath	Low smoke, zero halogen thermoplastic compound
Lead Sheath	Yes
Intermediate sheath	PVC
Armour type	Galvanized steel wires
Outer sheath	PVC
Protection	Yes

Dimensional characteristics

Number of pairs	30
Conductor cross-section	0.75 mm ²
Conductor diameter	1.1 mm
Diameter over insulation	2.26 mm
Diameter over inner sheath	29 mm
Diameter over lead sheath	32 mm
Diameter over intermediate sheath	34.4 mm
Diameter over armour	37.6 mm
Minimum outer diameter	37.6 mm
Maximum outer diameter	43.9 mm
Approximate weight	4057 kg/km

Electrical characteristics

Rated Voltage U _o /U (U _m)	170/300V
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Mechanical characteristics

Mechanical resistance to impacts	Good
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Usage characteristics

Fire resistant	IEC 60331
Fire retardant	EN IEC 60332-3-22 (cat A)
Chemical resistance	Aliphatic and aromatic hydrocarbons resistant
Electro magnetic interference resistance	Yes
Operating temperature, range	-20 ... 60 °C
Max. conductor temperature in service	90 °C
Standard	EN



Rated Voltage U_o/U (U_m)
170/300V



Mechanical resistance to impacts
Good



Fire resistant
IEC 60331



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

SELLING AND DELIVERY INFORMATION

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

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations

Tinned copper conductors available on request



Rated Voltage U_0/U
(Um)
170/300V



Mechanical
resistance to
impacts
Good



Fire resistant
IEC 60331



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