

AM AWG24 U/F TC “n”P PVC - Poly Wire XLPE Studio Multicore “n”x(2x0,22) mm² SnCu

Construction

Sub Cable (1 quad cable)

Conductor	Stranded tinned copper (7x0.20 mm) 0.22mm ²
Insulation	Cross Linked Polyethylene (XLPE), Ø1,20 ± 0,05 mm
Core stranding	Cores twisted to pair formation
Core identification	Blue, Red
Screen	Cores stranded with 7x0,20 mm tinned copper drain wire & Aluminum/polyester tape (Aluminum inside) wrapped
Sheath	PVC compound, Black (numbered), Pressure type
Diameter	Ø3,20 ± 0.10 mm

Construction

Assembly	n Sub Cables layed up with fillers where necessary
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Outer Jacket

Color	PVC compound, soft, matt, Pressure type
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Black

Marking

GABREAL AM AWG24 U/F TC “n”P PVC - Poly Wire XLPE Studio Multicore “n”x(2x0,22) mm² SnCu “LotNr” CE + meter marking

Where “n” is the number of the sheathed pair

Technical data

Working voltage	Max. 300 V
Test voltage	conductor – conductor 1000 Vac/1 min. conductor – screen 500 Vac/1 min.
Capacitance	conductor – conductor 85,0 pF/m nom.
Conductor resistance	conductor – screen 170,0 pF/m nom.
Insulation resistance	Max. 85 Ω/km
Temperature range	Min. 50 GΩ x km
Min. bending radius	-20°C to +70°C 5 x outer diameter

Characteristic

Flame retardant acc. to IEC 60332-1

Specification

No of cores and cross section N x 2 x mm ²	Sheath Thickness Nom. (mm)	Overall Diameter ±10% (mm)	Cable Weight Nom. (kg/km)
2 x (2x0.22)	0,80	8,0	100
4 x (2x0.22)	0,90	9,50	130
8 x (2x0.22)	1,0	12,70	230
12 x (2x0.22)	1,10	15,50	290
16 x (2x0.22)	1,20	17,40	380
24 x (2x0.22)	1,30	21,80	560
32 x (2x0.22)	1,50	24,40	720

*The values can have small deviations