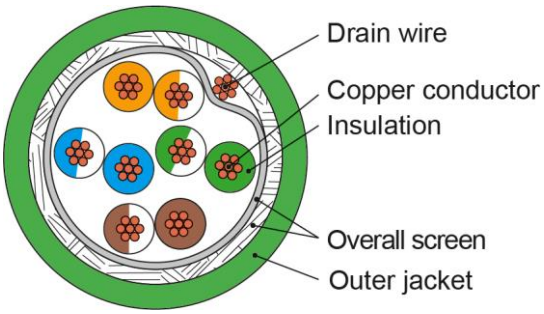
Patch Cable
SF/UTP AWG26/7 Cat.5 PUR



Application

IEC 11801-1:	Class D
EN 50173-1:	Class D
IEEE 802.3:	10Base-T; 100Base-T; 1000Base-T
IEEE 802.3:	Power over Ethernet PoE; PoE+

Applicable Standards

Design specification:	EN 50288-2-2, IEC 61156-3

Fire behaviour

Euroclass:	-
Smoke production:	-
Flaming droplets:	-
Acidity:	-
Flame retardant:	IEC 60332-1 CMX
Halogen free:	IEC 60754-2
Smoke density:	-

Construction

Construction:	SF/UTP
Conductor:	stranded bare copper wire, Ø 0.48 mm (AWG26/7)
Insulation:	Polyethylene, Ø 0.96 mm
Twisting:	2 cores to the pair
Cable lay up:	4 pairs
Drain wire:	stranded copper wire, tinned Ø 0,48 mm (AWG26/7)
Overall screen:	Aluminium-laminated plastic foil, conducting side outward and copper braid, tinned, with min. 65% coverage
Outer jacket:	PUR, green RAL 6018
Cable marking blue:	Cat.5 SF/UTP 4x2xAWG26/7 PUR E344985 AA c(UL)us CMX IEC 60332-1 “production batch no.” “sequential length in meters”

Mechanical properties

Outer diameter:	5.6 ± 0.2 mm	
Bending radius:	during operation:	≥ 22.5 mm
	during installation:	≥ 45.0 mm
Tensile force:	max. 60 N	
Weight:	38 kg/km	

Environment and Security

Temperature range:	during operation:	-40 ºC to +85 ºC
	during installation:	0 ºC to +50 ºC
Fire load:	430 MJ/km	
Oil resistance	Oil-resistant acc. To UL 758 60°C	
UV resistance	UV-resistant acc. To IEC 60068-2-5 (2 cycles of procedure B)	

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Electrical properties (typical at 20°C)

Characteristic impedance Z (1-100 MHz):	100 ± 15 Ω
Nominal velocity of propagation NVP:	ca. 67%
Propagation delay:	≤ 498 ns/100m
Delay skew:	≤ 45 ns/100m
Loop resistance:	26.84 Ω/100m max. 29 Ω/100m
Resistance unbalance:	pair: ≤ 2% between the pairs: ≤ **5**%
Insulation resistance (500V):	≥ 500 MΩxkm
Mutual capacitance (at 1000 Hz):	5.1 nF/100m
Capacitance unbalance (pair/ground):	≤ 160 pF/100m
Test voltage (DC, 60 sec.) (core/core and core/screen):	1000 V
Transfer impedance (mΩ/m):	Grade 2
Coupling attenuation:	Level 2
Segregation classification:	c

Transmission properties (at 20°C)

Has been verified as being compliant with the standards.

Order-No. old / new	Standard designation	Scope of delivery	Copper content kg/km
L02002C0068 / 100013204	Li-2Y(ST)C11Y 4x2x0.48 PUR	305m (1000ft) easy reel box	-
L02002A0244T / 100033782	Li-2Y(ST)C11Y 4x2x0.48 PUR	1000m disposable wooden drum	-

Drum dimensions for	**L02002A0244T / 100033782**
Drum type:	wooden drum (disposable)
Flange diameter d1:	400 mm
Core diameter d2:	150 mm
Central hole:	55 mm
Overall width:	430 mm
Winding width:	410 mm
Drum/EPAL:	18

The editions of the afore mentioned standards by the time of 10.08.2022 are valid

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