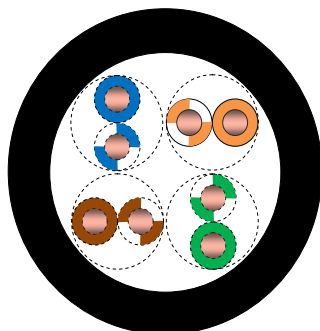


Sumline® Fca UTP Cat.5e Outdoor 4 x 2 x AWG24/1



CPR classification



Code 210520042090003
 30.11.2017
 Rev.0

Description

Unscreened symmetrical cable for data transmission in structured cabling networks (LAN), mainly in horizontal and secondary installations in interference-free environments. Network bandwidth up to 200MHz. The cables are filled with gel that prevents the penetration of water. External cover resistant to UV rays, allows external application and directly buried.

Desing

Conductor: Solid bare copper wire, 1 x 0,51mmØ (AWG24/1)
 Insulation: Special polyolefin compound
 Color code: See picture
 Assembly: Two cores wiring form a pair, paris laid up together
 Filler: Hydrophobic jelly ifilling
 Outer sheath: Special PE (UV)
 Color: Black (RAL 9005)
 Outer diameter (mm): 6,2
 Weight (kg/km): 40

Technical data

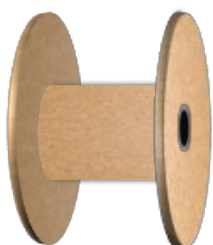
Operating temperature: -30 °C a +80 °C
 Installation temperature: -10 °C a +50 °C
 Min. Bending radius: 6 x outer diameter
 DC Loop resistance: 190 Ω/km @20 °C
 Insulation resistance: 5 GΩ x km
 Capacitance @ 1KHz: 50 ± 5 nF/km
 Nominal voltage: 150 V
 Characteristic impedance: 100 ± 5 Ω
 NVP: 67%

Frequency MHz	1	4	10	16	20	30	45	60	80	100	120	130	155	175	200
Attenuation ≤ dB/100m	2,1	4,0	6,3	8,0	9,0	11,2	13,9	16,2	18,9	21,3	23,6	24,7	27,2	29,2	31,5
NEXT ≥ dB/100m	65,3	56,3	50,3	47,2	45,8	43,1	40,5	38,6	36,7	35,3	34,1	33,6	32,4	31,6	30,8
PS NEXT ≥ dB/100m	62,3	53,3	47,3	44,2	42,8	40,1	37,5	35,6	33,8	32,3	31,1	30,6	29,5	28,6	27,8
ELFEXT ≥ dB/100m	63,8	51,8	43,8	39,7	37,8	34,3	30,7	28,2	25,7	23,8	22,2	21,5	20,0	19,0	17,8
PS ELFEXT ≥ dB/100m	60,8	48,8	40,8	36,7	34,8	31,3	27,7	25,2	22,7	20,8	19,2	18,5	17,0	16,0	14,8
RL ≥ dB	20,0	23,0	25,0	25,0	25,0	23,8	22,5	21,7	20,8	20,1	19,5	19,3	18,8	18,4	18,0

Behavior in the case of fire

EN 50399 Fca
 EN 60811-2-1 Oil Resistance

Packing in box



1.000m



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