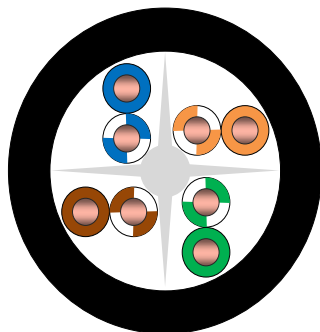


## Sumline® Fca UTP Cat.6 Outdoor 4 x 2 x AWG23/1



### CPR classification



Code 211320042100000  
 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. Operating frequency band up to 350MHz. The cables are filled with gel preventing water ingression. External cover resistant to UV rays, allows external application and directly buried.

#### Desing

Conductor: Solid bare copper wire, 1 x 0,54mmØ (AWG23/1)  
 Insulation: Special polyolefin compound  
 Color code: See picture  
 Assembly: Two cores wiring form a pair, pairs laid up together  
 Filler: Hydrophobic jelly filling  
 Outer sheath: Special PE, UV  
 Color: Black (RAL 9005)  
 Outer diameter (mm): 6,5  
 Weight (kg/km): 50

#### Technical Data

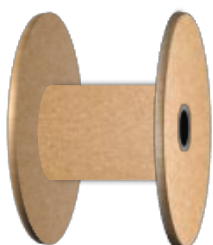
Operating temperature: -30 °C a +80 °C  
 Installation temperature: -10 °C a +50 °C  
 Min. Bending radius: 6 x outer diameter  
 DC Loop resistance: 165 Ω/km @20 °C  
 Insulation resistance: 5 GΩ x km  
 Capacitance @ 1 kHz: 50 ± 5 nF/km  
 Nominal voltge: 150 V  
 Characteristic impedance: 100 ± 5 Ω  
 NVP: 67%

Frequency MHz	1	4	10	16	20	30	45	60	80	100	120	150	180	200	220	250	280	300	320	350
Attenuation ≤ dB/100m	2,1	3,8	6,0	7,6	8,5	10,5	13,0	15,1	17,7	19,9	22,0	24,8	27,5	29,1	30,7	33,0	35,2	36,6	38,0	40,0
NEXT ≥ dB/100m	66,0	65,3	59,3	56,2	54,8	52,1	49,5	47,6	45,8	44,3	43,1	41,7	40,5	39,8	39,2	38,3	37,6	37,1	36,7	36,1
PS NEXT ≥ dB/100m	64,0	63,3	57,3	54,2	52,8	50,1	47,5	45,6	43,8	42,3	41,1	39,7	38,5	37,8	37,2	36,3	35,6	35,1	34,7	34,1
ELFEXT ≥ dB/100m	66,0	58,0	50,0	45,9	44,0	40,5	36,9	34,5	32,0	30,0	28,4	26,5	24,9	24,0	23,1	22,0	21,0	20,5	19,9	19,1
PS ELFEXT ≥ dB/100m	64,0	55,0	47,0	42,9	41,0	37,5	33,9	31,4	28,9	27,0	25,4	23,5	21,9	21,0	20,1	19,0	18,0	17,5	16,9	16,1
RL ≥ dB	20,0	23,0	25,0	25,0	25,0	23,8	22,5	21,7	20,8	20,1	19,5	18,9	18,3	18,0	17,7	17,3	17,0	16,8	16,6	16,3

#### Behavior in the case of fire

EN 50399 Fca  
 EN 60811-2-1 Oil Resistance

#### Packing in box



1.000m



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