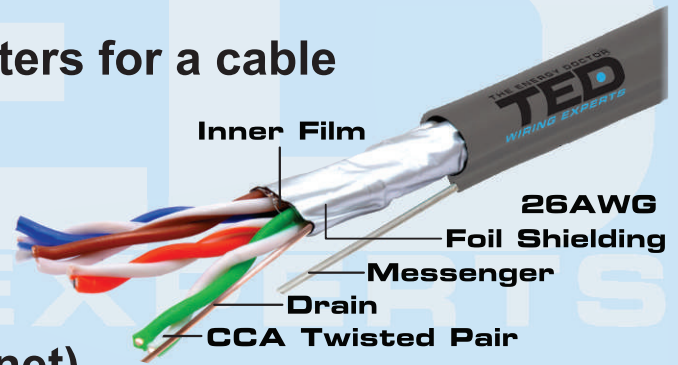


FTP cat.5 CCA with Messenger

For a maximum length of 60 meters for a cable segment, it can provides performance of up to 100 MHz and is suitable for 10BASE-T, 100BASE-TX (Fast Ethernet) and 1000BASE-T (Gigabit Ethernet).

Cat.5 can be also used to carry other signals such as telephony and video.



Construction									
Conductor	4 x 2 x 0.45 mm CCA 26 AWG								
Messenger	0.6mm Solid Steel With PVC, Nominal Diameter 1.5mm								
Insulation	0.6 mm High-density Polyethylene								
Diameter Over Insulation / Nominal Outer Diameter	0.78 mm / 4.5 mm								
Mechanical Characteristics									
Sheath Tensile Strength	14 MPa								
Minimum Bending Radius	40 mm								
Normal Weight	30 kg/km								
Operating Temperature	-20°C +70°C								
Installation Temperature	-5°C +40°C								
Product Length	305m in Carton Box								
Electrical Performance									
Conductor Resistance	188 Ohms/km								
Transmission Frequency (MHz)	4	8	10	16	20	25	31.25	62.5	100
Attenuation (dB/100m)	8	11	13	16	18	21	23	34	45
Near End Crosstalk NEXT (dB/100m)	99	98	97	95	94	93	92	90	89
Powersum Near End Crosstalk PS NEXT (dB/100m)	98	97	96	94	93	92	91	89	88
Return Loss (dB/100m)	66	66	66	65	66	67	58	59	55
Equal Level Far End Crosstalk ELFEXT (dB/100m)	99	96	95	90	88	86	84	79	75
Powersum Equal Level Far End Crosstalk (dB/100m)	96	93	91	87	84	82	75	72	68
Characteristic Impedance (Ohms)	195+/-15								
Screw (ns/100m)	45								
Nominal Velocity of Propagation (%)	69								
Propagation Delay, max. 100 MHz (ns/100m)	930								
Coupling Attenuation at 30 MHz	99								

Due to continuous product improvements, program specifications are subject to change without notice

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