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Cable Specification

C05-41F12S5E/BK – Cat5e FTP Solid PVC/SWA/PE Cable
Armoured data networking cable for Fast Ethernet and Gigabit Ethernet.

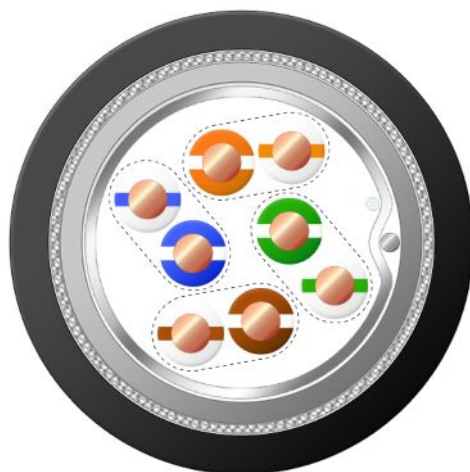


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Mechanical Characteristics

Operating Temperature (°C): 0 to +70

Electrical Characteristics at 20°C

Impedance 1MHz to 100MHz (Ω):	100±15
Max. Conductor DC Resistance (Ω/km):	105.50
Velocity Ratio (%):	66

Construction

Conductor

Material:	Bare Copper
Construction:	1/0.50mm (24 AWG)

Insulation

Material:	High Density Polyethylene
Diameter:	0.90mm nominal
Colour Code:	
Pair 1	Blue, White/Blue
Pair 2	Orange, White/Orange
Pair 3	Green, White/Green
Pair 4	Brown, White/Brown

Screen

Material:	Aluminium Foil Tape + Tinned Copper Drain Wire
Drain Wire	
Construction:	1/0.40mm (26 AWG)

1st Sheath

Material:	Polyvinyl Chloride
Diameter:	5.80mm

Armour

Material:	Galvanised Steel Wire
Construction:	21 x 0.90mm

2nd Sheath

Material:	Polyethylene
Diameter:	10.50mm

Frequency (MHz)	Nominal Attenuation (dB/100m)	Minimum NEXT (dB)	Minimum PSNEXT (dB)	Minimum ELFEXT (dB)	Minimum PSELFEXT (dB)	Minimum Return Loss (dB)
1	2.1	60.0	57.0	58.6	55.6	19.0
4	3.9	54.8	51.5	46.6	43.6	19.0
10	6.2	48.5	45.5	38.6	35.6	19.0
16	7.9	45.2	42.2	34.5	31.5	19.0
20	8.9	43.7	40.7	32.6	29.6	19.0
25	10.0	42.1	39.1	30.7	27.7	18.0
31.25	11.2	40.5	37.5	28.7	25.7	17.1
62.5	16.2	35.7	32.7	22.7	19.7	14.1
100	21.0	32.30	29.3	18.6	15.6	12.0

Compliance

ANSI/TIA-568.2-D
ISO/IEC 11801 2nd Edition
RoHS II Directive (2011/65/EU & 2015/863)
REACH (1907/2006)

Part Options

C05-41F12S5E/BK | Cat5e FTP Solid PVC/SWA/PE

Connectors, cable preparation tools and crimp tools are also available.

Important:

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