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Cable Specification

C05-41U12S5E/BK – Cat5e UTP Solid PVC/SWA/PE Cable
Armoured data networking cable for Fast Ethernet and Gigabit Ethernet.

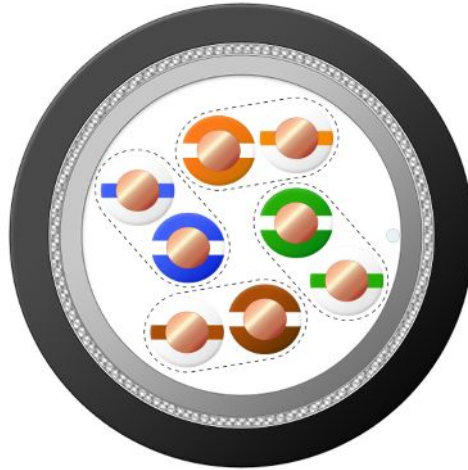


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Mechanical Characteristics

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

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	2.0	65.3	62.3	64.0	61.0	20.0
4	4.1	56.3	53.3	52.0	49.0	23.0
10	6.5	50.3	47.3	44.0	41.0	25.0
16	8.2	47.2	44.4	39.9	36.9	25.0
20	9.3	45.8	42.8	38.0	35.0	25.0
25	10.4	44.3	41.3	35.8	33.0	24.3
31.25	11.7	42.9	39.9	34.1	31.1	23.6
62.5	17.0	38.4	35.4	28.1	25.1	21.5
100	22.0	35.3	32.3	24.0	21.0	20.1

Compliance

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

Part Options

C05-41U12S5E/BK | Cat5e UTP Solid PVC/SWA/PE

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

Important:

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