



DESCRIPTION :

Category 5E Cable, 4 Pair, U/UTP, PVC - GREY

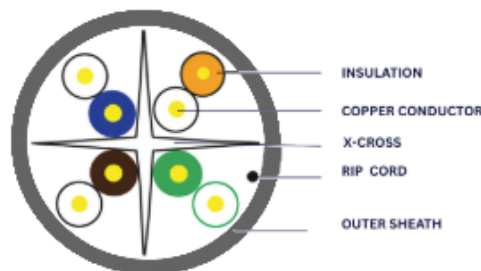
Premise Horizontal Cable (100MHz), 4-Pair, 24 AWG solid bare copper conductors, U/UTP, Polyethylene insulation,

APPLICATION :

Twisted pair indoor PVC cable suitable for Local Area Networks and Video Applications

CONSTRUCTION :

Cores	4 Pair
Section	24AWG
Conductor Material	Bare Copper
Insulation	High-Density Polyethylene (HDPE)
Colour Code	Pair 1: WHITE/Blue + BLUE Pair 2: WHITE/Orange + ORANGE Pair 3: WHITE/Green + GREEN Pair 4: WHITE/Brown + BROWN
Rip Cord	Nylon Yarn
Sheath Material	PVC
Sheath Color	GREY
Standard Put Up Length	305, 500 meters



STANDARD REFERENCES

EN 50290-2, IEC 60332-1

ANSI/TIA/EIA-568-C2

ISO 11801

RoHS Directives

TRANSMISSION PERFORMANCE :

Frequency (MHz)	Return Loss(>dB)	ATT (Max.dB)	NEXT (Min.dB)	PS NEXT(Min.dB)	ELFEXT(Min.dB)	PSELFEXT(Min.dB)
1	19.0	2.0	65.0	62.0	63.5	60.2
4	22.0	4.0	57.2	52.2	51.5	48.1
8	23.5	5.7	52.4	48.5	45.5	42.5
10	24.0	6.4	50.5	47.0	43.5	40.5
16	24.0	8.0	46.2	44.0	39.5	36.4
20	24.0	9.3	44.4	42.5	37.5	34.5
25	23.3	10.0	43.2	40.0	35.5	32.5
31.25	22.6	11.5	41.0	39.5	33.2	30.0
62.5	20.5	17.0	37.0	35.0	27.0	24.5
100	20.0	22.0	34.5	31.5	23.5	20.5

PHYSICAL & MECHANICAL CHARACTERISTICS

Operating Temperature (°C)	-15°C to +70°C
Screen type	U/UTP
Nominal Cable Weight (kg/km)	29
Nominal Sheath Thickness (mm)	0.4
Nominal Overall Diameter (mm)	5.4
Min. Bend Radius (install) (mm)	54
Max. Pull Tension (N)	159

ELECTRICAL CHARACTERISTICS

Conductor Resistance (Ohm/100m)	≤ 9.99 Ohm/100m
Mutual Capacitance (pF/m)	≤ 47 pF/m
Impedance (Ohm)	100 ± 15
Velocity of Propagation (%)	66
Maximum Delay Skew (Ns/100m)	46
Max. Operating Voltage (Volts RMS)	300 V (Vrms)

BELFAST ACCREDITED BY :

