

CAT5e S/UTP 24/7awg 4pair Upjacketed Tactical Ethernet

Event[®] **studio**

Event[®] **tour**



Application

Tactical ethernet cable for touring and other portable applications. The compounds used in the unique dual jacket make the cable supple and agile. Outer jacket can be removed easily to allow termination to standard shielded RJ45 connectors on the inner sheath over the braid. Alternatively our oversized connector PGSLX connectors can be used. (see specification table)

Cable Design

Conductor	Stranded tinned copper wire, 24 awg (7/0,202mm)
Insulation	Solid Polyethylene (PE) : Ø 0,98 mm
Pairs	2 insulated conductors twisted to a pair
Cable core	4 pairs cabled together
Inner Jacket.....	Special Black PVC : Ø 5,10 mm nom.
Braid Shield.....	38 AWG tinned copper @ 85% coverage
Outer Jacket.....	Special Soft Black TPM : Ø 7,50 mm nom.



Pair Identification

Pair 1	White/Blue stripe	& Blue
Pair 2	White/Orange stripe	& Orange
Pair 3	White/Green stripe	& Green
Pair 4	White/Brown stripe	& Bro

CAT5e S/UTP 24/7awg 4pair Upjacketed Tactical Ethernet

Electrical Data

Conductor DC Resistance @ 20 °C	< 9,13	Ohm/100M
Min. Insulation DC Resistance @ 20 °C	> 5000	MOhm*M
Rated Voltage	150	V
Rated Temperature	80	°C
Impedance	1-100 MHz	100±15 Ohm
Impedance	100-250 MHz	100±20 Ohm
Impedance	250-350 MHz	100±22 Ohm

Transmission Characteristics*

Frequency (MHz)	Attenuation (dB ± 15%)	Min. Return Loss (dB)	Min. NEXT Worst Pair (dB)
1	2,40	20,0	65,3
4	4,90	23,0	56,3
8	6,90	24,5	51,8
10	7,80	25,0	50,3
16	9,90	25,0	47,3
20	11,10	25,0	45,8
25	12,50	24,2	44,3
31,25	14,10	23,3	42,9
62,5	20,40	20,7	38,4
100	26,40	19,0	35,3

*Installation length up to 100m acc. to Cat5e standards.

Specification

Part Number	Inner Jacket Diameter [mm nom.]	Overall Diameter [mm nom.]	Connector for use over inner jacket	Connector for use over outer jacket
2485	5,10	7,50	P88RB50S	PGSXL