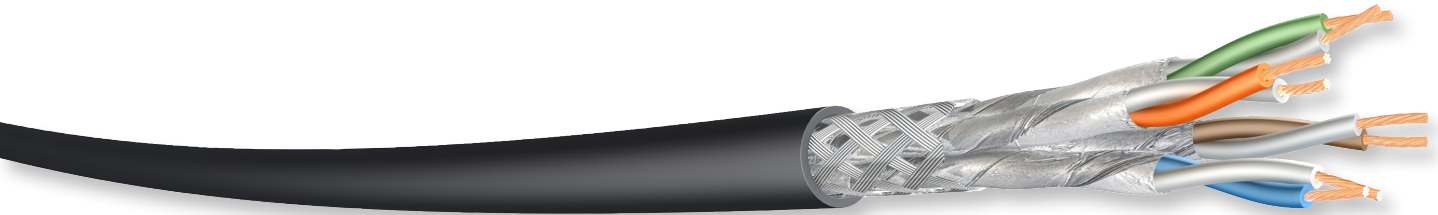


CAT6a S/FTP Tactical Ethernet 4x2x26AWG/7 Soft TPM Sheath UL 20276

Event[®] **studio**

Event[®] **tour**

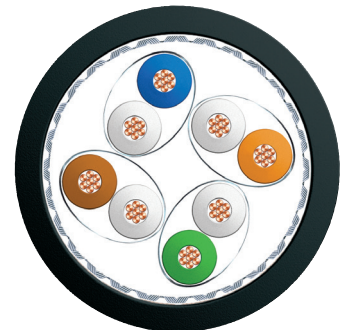


Application

Tactical ethernet patch cable for touring and other portable applications. Double screened design supports excellent EMC performance.
The compound used in the sheath make the cable supple and agile.

Cable Design

ConductorStranded bare copper wire (7/0,16mm)
Core InsulationFoam PE Ø 1,02 ± 0,05 mm
Core Strandingcores twisted to pairs
Pair ScreenIndividual Aluminium/polyester tape
Cable lay up4 shielded pairs cabled together
Overall ScreenTinned copper wire braid
SheathSoft TPM sheath : Ø 6,30 ± 0,30 mm



MarkingEvent[®] Tactical Ethernet CAT6A S/FTP 4x2x26AWG E324007 AWM 20276 80°C VW-1
<UV acc. UL 1581> P***** F44 XXXXXm

Pair Identification

Pair 1 White + Blue
Pair 2 White + Orange
Pair 3 White + Green
Pair 4 White + Brown

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Electrical Data @ 20 °C

Conductor DC resistance	≤ 148 Ω/km
Resistance unbalance - within a pair	≤ 2.0 %
Resistance unbalance - between pairs	≤ 5.0 %
Dielectric strength	DC 1.0 kV for 1 min.
Insulation resistance	≥ 5000 MΩ • km
Capacitance unbalance	≤ 1600 pF/km at 800 Hz or 1000 Hz
Transfer impedance	Grade 1 (IEC 61156-5)
Coupling attenuation	Type Ib (IEC 61156-5)
Impedance	100±15Ω

Frequency (MHz)	Attenuation (dB/100m) Max.	Return Loss (dB) Min.	NEXT (dB) Min.	PSNEXT (dB) Min.	ACRF (dB) Min.	PS ACRF (dB) Min.
1	3,0	65,0	62,0	63,3	60,3	19,0
4	4,2	63,0	60,5	51,2	48,2	19,0
8	5,8	58,2	55,6	45,2	42,2	19,0
10	6,5	56,6	54,0	43,3	40,3	19,0
16	8,2	53,2	50,6	39,2	36,2	18,0
25	10,2	50,0	47,3	35,3	32,3	17,0
62,5	16,4	43,4	40,6	27,3	24,3	14,0
100	20,9	39,9	37,1	23,3	20,3	12,0
200	30,1	34,8	31,9	17,2	14,2	9,0
300	40,6	30,3	27,3	12,4	9,4	6,6
400	46,5	27,3	24,4	10,2	7,2	6,0
500	49,3	26,1	23,2	9,3	6,3	6,0

NOTE: 60m extreme length for category 6A channel test.

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Thermal & Mechanical Characteristics

Operating temperature- Fixed	-40 ~ +75 °C
Installation temperature	-20 ~ +60 °C
Min bending radius - Fixed	4 x Ø
UV	300h (UL 1581)
Flame resistance	VW-1
Oil resistance	IRM 902, 70 °C × 4h (EN 50290-2-22)

Standards

Reference Standard	ANSI/TIA-568.2-D, RoHS compliant
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Specification

Part Number	Type
6900	Event® Tactical Ethernet CAT6A S/FTP 4x2x26AWG E324007 AWM 20276 80°C VW-1 <UV acc. UL 1581>