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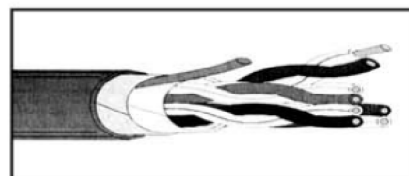
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## CATEGORY 5E SHIELDED

**Applications:** Structured cabling for voice and high-speed data in commercial and residential buildings, for voice, video and LAN data lines.

**Specifications:** CONDUCTORS: Annealed 24 AWG copper wires. INSULATION: Solid low-density polypropylene. PAIRS: Insulated conductors are twisted together to form pairs, with different twist lengths to minimize cross talk. SHIELD: Aluminized Polyester tape, 0.002 inches thick with at least 0.001 inches of Aluminum. JACKET: Flame-retardant PVC. Flame classification and transmission category are printed on the jacket at two-foot intervals. • ANSI/EIA/TIA 568 TSB 36 Category 5. CSA C.22.2 No. 214-94: CM • ISO-9001 quality assurance system • UL for fire classification ETL for data category verification. PACKAGING: In Reelex box or on plywood reels

CATALOG No.	Flame Classification	Number of Pairs	Insulation Thickness	Jacket Thickness	Standard Length
P01E7	CM	4	0.009"	0.025"	1000ft

### ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE from 1 to 100 MHz	100 ± 15	
RETURN LOSS; (db) at frequency $f$ Minimum pf 100 m (328 ft)	$20 > f$ $100 > f \geq 20$	23 23-10 log 20 ( $f/20$ )
ATTENUATION @ 20°C, dB Maximum of 100 m (328 ft)	@ 1 MHz @ 4 MHz @ 10 MHz @ 16 MHz @ 25 MHz @ 100 MHz	2.0 4.1 6.5 8.2 10.4 22.0
NEXT (Worst Pair Near End Cross Talk); dB Minimum of 100 m (328 ft)	@ 1 MHz @ 4 MHz @ 10 MHz @ 16 MHz @ 25 MHz @ 100 MHz	62 53 48 44 39 32

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