



CATEGORY 7 S/FTP, DOUBLE JACKET, SOFT PVC

Version: A/201802

STANDARD COMPLIANCE

UL LISTED: UL444

ISO/IEC 11801 CATEGORY 7: PATCH CABLE

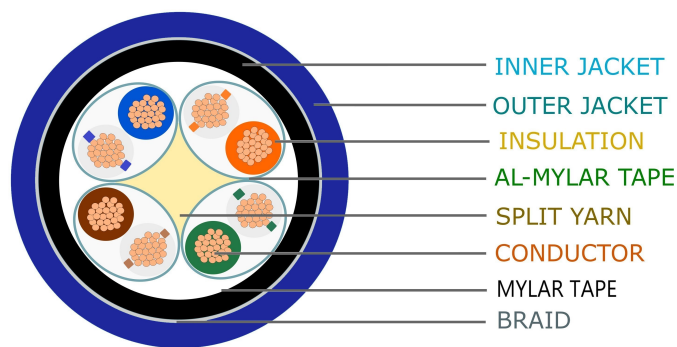
IEC 61156-5 FOR PATCH CABLE

IEC60332-1-2 FLAME TEST

RoHS COMPLIANCE FOR THE REQUIREMENT OF EUROPEAN UNION ISSUED DIRECTIVE 2011/65/EU



SECTION PLANS



CONSTRUCTION

		CAT. 7 S/FTP STRANDED DOUBLE-JACKET	
CONDUCTOR	MATERIAL & SIZE	BARE COPPER, 26AWG	
INSULATION	MATERIAL	HDPE(CMI-75E)	
	THICKNESS	MIN. AVERAGE THICKNESS: 0.38mm: MIN. THICKNESS: 0.295mm	
	COLOR CODE	Pair 1: Blue & White/Blue	Pair 3: Green & White/Green
		Pair 2: Orange & White/Orange	Pair 4: Brown & White/Brown
INNER JACKET	MATERIAL	75 ° C PVC Compound (CMI-80S)	
	THICKNESS	MIN. AVERAGE THICKNESS: 0.485mm: MIN. THICKNESS: 0.358mm	
	OVERALL DIAMETER	6.1mm +/-0.3mm	
OUTER JACKET	MATERIAL	75 ° C PVC Compound(CMI-80S) Soft PVC	
	THICKNESS	MIN. AVERAGE THICKNESS: 0.585mm: MIN. THICKNESS: 0.458mm	
	OVERALL DIAMETER	8.0mm +/- 0.3mm	
SHIELD	MATERIAL	-ALUMINUM-MYLAR TAPE -TINNED COPPER BRAID -PET TAPE	-DRAIN WIRE(TINNED COPPER CONDUCTOR) -SPLIT YARN -MYLAR TAPE

ELECTRIC REQUIREMENT (CABLE LENGTH/100M)

	CAT. 7 S/FTP STRANDED DOUBLE-JACKET
CHARACTERISTIC IMPEDENCE(Zo)	85~115Ω (1~600MHz)
DC. RESISTANCE CAPACITANCE UNBALANCE	5%
PAIR-TO-GROUND CAPACITANCE UNBALANCE	330 pF/100M Max.
CONDUCTOR RESISTANCE	14.0Ω/ 100M 20 ° C Max.
MUTUAL CAPACITANCE	5600 pF/100M Max.
SPARK TEST	2.5KV
NOMINAL VELOCITY OF PROPAGATION (N.V.P.)	76%



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ENVIRONMENTAL CONDITION & USAGE

TEMPERATURE RANGE	SHIPPING & STORAGE	-20°C to 75°C
	INSTALLATION	0°C to 50°C
	OPERATION	-10°C to 60°C

TRANSMISSION REQUIREMENTS

FREQUENCY (MHz)	MAX. ATTENUATION (dB/100m)	MIN, Pr-Pr NEXT (dB)	MIN. PSNEXT (dB)	MIN. RETURN LOSS (dB)
	STRANDED			STRANDED
1	4.5	78.0	75.0	20.0
10	8.8	78.0	75.0	25.0
20	12.4	78.0	75.0	25.0
31.25	16.5	78.0	75.0	23.6
100	28.5	72.4	69.4	20.1
250	46.5	66.4	63.4	17.3
550	67.9	61.3	58.3	15.2
600	75.5	60.7	57.7	14.7

Values show on tables above are for reference purpose only.

PACKAGING

PACKAGING	FT/ BOX	FT/ BOX
APPROX. WEIGHT(kg)		
DIMENSION(mm)		
PACKAGES per PALLET		