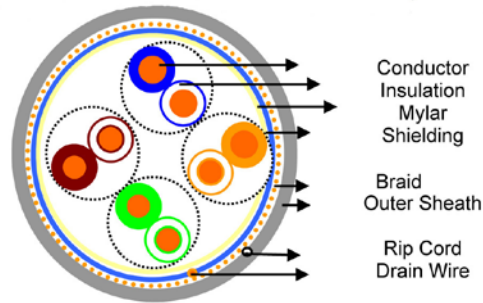


DATA CABLE S-FTP CAT5E 100 OHM LSZH & FRNC
OUTDOOR APPLICATION UV RESISTANT

P/N **PLU030443**



CABLE CONSTRUCTION

CONDUCTOR	SOLID BARE COPPER \varnothing 0.510 \pm 0.01 mm (AWG24)
INSULATION	HD POLYETHYLENE \varnothing 1.00 \pm 0.05 mm
PAIR COLOUR IDENTIFICATION	1 st White-Blue + Blue 2 nd White-Orange + Orange 3 rd White-Green + Green 4 th White-Brown + Brown
LAY-UP	No. 4 PAIR MADE OF TWO TWISTED INSULATED CONDUCTORS
DRAIN-WIRE	TINNED COPPER \varnothing 0.40 mm
SHIELDING	AL/PET
BRAIDING	TINNED COPPER
COVERAGE RATE	90% min
RIP CORD	
JACKET	LSZH FRNC BLACK O.D. = 6.1 \pm 0.3 mm
PRINTING:	HAR&CA + WEEK/YEAR + DATA CABLE CAT5E 100 OHM LSZH & FRNC

DATA SHEET NO. 009-10
Rev. 0 10/05/2010
Rev. 1 21/04/2011
Rev. 2 02/09/2011
Rev. 3 22/03/2016

ELECTRICAL PERFORMANCE

REFERENCE STANDARD: TIA/EIA-568-B.2 & ISO/IEC 11801

MAX CONDUCTOR DC RESISTANCE (Ω /Km)	≤ 93.8
UNBALANCE OF PAIR DC RESISTANCE (%)	≤ 2.5
DIELECTRIC STRENGTH BETWEEN PAIRS (kV/min.)	≤ 1.0
MIN. INSULATION RESISTANCE ($M\Omega \cdot Km$)	≥ 5.000
MAX. PAIR MUTUAL CAPACITANCE (nF/100 m)	≤ 5.6
MAX. PAIR CAPACITANCE UNBALANCE (pF/100 m)	≤ 330
DIELECTRIC STRENGTH ($V_{cc} \times 1 \text{ min.}$)	1.500
NOMINAL SPEED PROPAGATION (%)	71
IMPEDANCE (1 to 100 MHz) (Ω)	100 ± 15

STANDARD REFERENCE

CEI EN 50288-2-1 CAT. 5E

FREQUENCY (MHz)	MIN. RL (dB)	MIN. SRL (dB)	ATTENUATION (dB/100 m)	MIN. NEXT (dB)
1	20.0	28.0	2.0	65.3
4	23.0	28.0	4.0	56.3
16	25.0	28.0	8.2	47.2
20	25.0	25.0	9.2	45.8
25	24.3	27.0	10.3	44.3
31.25.00	23.6	26.1	11.6	42.9
62.05.00	21.5	23.1	16.8	38.4
100	20.1	21.0	21.7	35.3

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MECHANICAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE	-40~ +70 °C
UV SUN RESISTANCE AFTER 720 HRS UL1581	PASS
MIN. BENDING RADIUS	8xD
SHEATH MATERIAL ,CHARACTERISTIC	CEI EN 50363
RAW MATERIAL TESTING	IEC 60 811
FIRE RESISTANCE	IEC 60 332-1 & IEC 60 332-3-24
AMOUNT OF HALOGEN ACID GAS DURING COMBUSTION	EN50 265-1 & EN 50 265-2-1
DEGREE OF ACIDITY (CORROSIVITY) OF GASES	IEC 60 754-1 & EN 50-267-2-1
	IEC 60-754-2 & EN 50 267-2-2
REACH	DIRECT. 1907/2006/ECC
ROHS	DIRECT. 2002/95/EC

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Information and Data may be changed without notice.