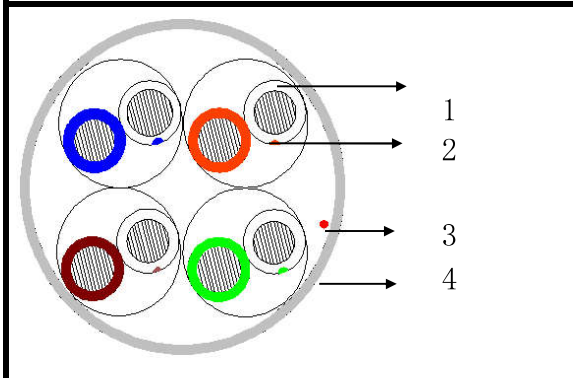


TECHNICAL DATA SHEET

CABLE REFERENCE Cat 5e UTP 24AWG SOLID

100 Ω UTP 4pairs cable category5e - 100MHz - LSZH sheath



Marking (every metre, ink navy blue)

--BUILDING ENERGY MANAGEMENT CABLE--

Cat 5e-UTP-LSOH 4PR 24AWG ISO/IEC 11801 AND TIA/EIA 568C.20618 (P---)

www.bms-systems.co.uk

CABLE DESCRIPTION

1-CONDUCTOR	PARAMETER	UNIT	VALUE
TYPE: SOLID-Bare copper	Max.linear tesistance.	Ω /km	≤95.5
DIAMETER: 0.48mm±0.008mm	Mutual capacity(nom.)	pF/m	50
AWG: 24	Unbalance capacity max (p/p at 1 KHz)	pF/km	1600
2-INSULATION	Characteristic impedance (1 at 100 MHz)	Ω	100±15
TYPE: PE solid	VELOCITY OF PROPAGATION (f>1MHz)	%of c	66
DIAMETER: 0.90mm±0.01mm	OTHER CHARACTERISTICS		
3-RIP CORD	MINIMUM BENDING RADIUS: 10×Diameter		
YES	WEIGHT: 33kg/km		
4-OUTER JACKET	FIRE BEHAVIOUR: IEC 332-1		
TYPE: LSZH	PACKING: 500m BOX		
COLOUR: ORANGE			
THICKNESS: 0.55mm			
EXTERNAL DIAMETER: 5.2mm±0.5mm			

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss(dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEX T (dB)
1	20.0	2.10	65.3	62.3	63.8	60.8
4	23.0	4.12	56.3	53.3	51.8	48.8
10	25.0	6.60	50.3	47.3	43.8	40.8
16	25.0	8.20	47.2	44.2	39.7	36.7
20	25.0	9.30	45.8	42.0	37.8	34.8
25	24.3	10.40	44.3	41.3	35.8	32.8
31.25	23.6	11.70	42.9	39.9	33.9	30.9
62.5	21.5	17.00	38.4	35.4	27.9	24.9
100	20.1	22.00	35.3	32.3	23.8	20.8

Information in this data sheet supplied to users is based on general experience and is given in good faith, but because of the many particular factors which are outside our knowledge which affect the use of the products, no warranty is given nor is to be implied with respect to such information. Users should make their own enquiries to determine the stability of products for any particular use.