



CABLE DESCRIPTION

1-CONDUCTOR
 TYPE: Bare copper
 DIAMETER: 7X0.19mm±0.005mm AWG: 24 AWG
2-INSULATION
 TYPE HDPE
 DIAMETER:0.92mm±0.05mm
3-SYNTHETICAL SEPARTION FOIL:

4-DRAIN WIRE: no
5-SHIELDING: no

6-RIP CORD
 YES
7-OUTER JACKET
 TYPE: Eca PVC
 COLOUR: GREY
 THICKNESS: 0.55mm±0.05mm EXTERNAL
 DIAMETER: 5.8mm±0.5mm

PARAMETER	UNIT	VALUE
Max.linear tesistance.	Ω/km	≤80
Mutual capacity(nom.) Unbalance capacity max (p/p at 1 KHz)	pF/m	56
	pF/km	1600
Characteristic impedance (1 at 100 MHz)		
VELOCITY OF PROPAGATION (f>1MHz)	Ω	100±15
	%of c	66

Marking

CAT 6 network cable, U/UTP, grey
 CU, AWG 24/7 (stranded), PVC
 Reaction to fire: Eca; EN 50575:2014+A1: 2016

Test Request: FLUKE channel 90m

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss(dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	20	2	74	72	68	65
4	23	3,8	65	63	56	53
8	25	5	61	59	50	47
10	25	6	59	57	48	45
16	25	7,6	56	54	44	41
20	25	8,5	55	53	42	39
25	24	10	53	51	40	37
31, 25	24	10,7	52	50	38	35
62, 5	22	15,4	47	45	32	29
100	20	19,8	44	42	28	25
160	19	26	41	39	24	21
200	18	29	40	38	22	19
250	17	32,8	38	36	20	17

OTHER CHARACTERISTICS

MINIMUM BENDING RADIUS: WHIGHT: kg/km
 FIRE BEHAVIOUR:IEC60332-2 PACKING:



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