



CABLE DESCRIPTION

1-CONDUCTOR TYPE: Bare copper DIAMETER: 7X0.19mm±0.005mm AWG: 24 AWG 2-INSULATION TYPE HDPE DIAMETER:0.90mm±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.)	pF/m	56
	Unbalance capacity max (p/p at 1 KHz)	pF/km	1600
	Characteristic impedance (1 at 250 MHz)	Ω	100±15
	VELOCITY OF PROPAGATION (f> 1MHz)	%of c	66
Marking			
CAT6 U/UTP unshielded 4x2xAWG24/7 CU STRANDED 100 OHM 250MHz EIA-TIA 568 CPR "#AO-919-XX" xxxM			

Test Request: FLUKE channel 90m

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss(dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ACR-F (dB)	PSACR-F (dB)
1	19	3,0	65,0	62,0	63,3	60,3
4	19	4,0	63,0	60,5	51,2	48,2
8	19	5,7	58,2	55,6	45,2	42,2
10	19	6,3	56,6	54,0	43,3	40,3
16	18	8,0	53,2	50,6	39,2	36,2
20	17,5	9,0	51,6	49,0	37,2	34,2
25	17	10,1	50,0	47,3	35,3	32,3
31,25	16,5	11,4	48,4	45,7	33,4	30,4
62,5	14	16,5	43,4	40,6	27,3	24,3
100	12	21,3	39,9	37,1	23,3	20,3
200	9	31,5	34,8	31,9	17,2	14,2
250	8	36,0	33,1	30,2	15,3	12,3

OTHER CHARACTERISTICS

FIRE BEHAVIOUR:IEC60332-1
 PACKING: Cable Reel-spool



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