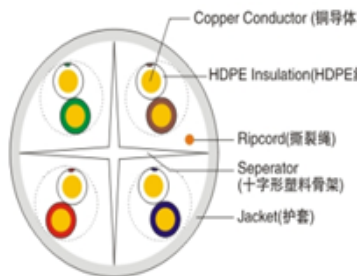


77624: CAT 6 outdoor network cable, U/UTP, black	TECHNICAL DATA SHEET
100 Ω CAT6 UTP 4pairs cable category6 - 250MHz - Fca PE sheath	



CABLE DESCRIPTION			
<div>1-CONDUCTOR</div> <div>TYPE:SOLID-Bare copper</div> <div>DIAMETER:0.56mm±0.005mm</div> <div>AWG: 23 AWG</div> <div>2-INSULATION</div> <div>TYPE:HDPE</div> <div>DIAMETER:1.03mm±0.05mm</div> <div>3-SYNTHETICAL SEPARTION FOIL:</div> <div>4-DRAIN WIRE: no</div> <div>5-SHIELDING: no</div> <div>6-RIP CORD</div> <div>YES</div> <div>7-OUTER JACKET</div> <div>TYPE: Eca PE</div> <div>COLOUR:GREY</div> <div>THICKNESS: 0.55mm±0.05mm</div> <div>EXTERNAL DIAMETER: 6.2 mm±0.5mm</div>	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 100 MHz)	Ω	100±15
	VELOCITY OF PROPAGATION (f>1MHz)	%of c	66
Marking			
CAT 6 outdoor network cable, U/UTP, black CU, AWG 24/1 (solid), PE Reaction to fire: Eca; EN 50575:2014+A1: 2016			

Test Request: Network Analyzer 100m

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	<div><div></div><div><div>Wentronic GmbH</div><div>Pillmannstraße 12</div><div>38112 Braunschweig</div></div></div>		
100m ROLL	Prepared by: NW	2019/12/16	Page1of1