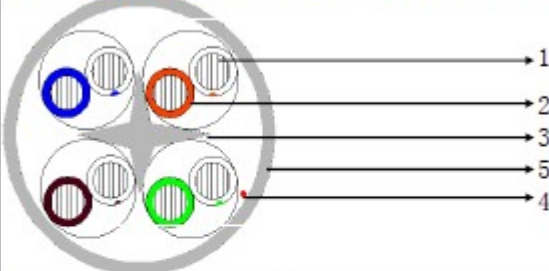


# Technical specification/ Data sheet

## LAN cable: B/CAT6 FTP/OUT/S

REF: CAT.6 FTP OUTDOOR							
100 $\Omega$ FTP 4pairs cable category6 - 250MHz - LDPE sheath							
							
<b>CABLE DESCRIPTION</b>							
<b>1-CONDUCTOR</b> TYPE:SOLID-Bare copper DIAMETER:0.54mm $\pm$ 0.008mm AWG:23 <b>2-INSULATION</b> TYPE:PE solid DIAMETER:0.96mm $\pm$ 0.01mm <b>3-Filler</b> HDPE 5.0*5.0mm <b>4-RIP CORD</b> YES <b>5-OUTER JACKET</b> TYPE: LDPE COLOUR: BLACK THICKNESS:0.55mm EXTERNAL DIAMETER:6.5mm $\pm$ 0.5mm	<b>PARAMETER</b> Max.linear tesistance.	<b>UNIT</b> $\Omega$ /km	<b>VALUE</b> $\leq$ 186.5				
	Mutual capacity(nom.) Unbalance capacity max (p/p at 1 KHz) Characteristic impedance (1 at 250 MHz) VELOCITY OF PROPAGATION (f>1MHz)	pF/m pF/km $\Omega$ %of c	52 1500 100 $\pm$ 15 72				
<b>Marking</b>							
OEM marking with meter marking							
<b>ELECTRICAL CHARACTERISTICS</b>							
Frequency (MHz)	Return loss(dB)	Attenuati n (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	
1	20.0	2.00	74.3	72.3	67.8	64.8	
4	23.0	3.80	65.3	63.3	55.8	52.8	
10	25.0	5.30	59.3	57.3	47.8	44.8	
20	25.0	8.50	54.8	52.8	41.8	38.8	
62.5	21.5	15.40	47.4	45.4	42.0	29.1	
100	20.1	19.80	44.3	42.3	27.8	25.0	
150	18.9	24.70	41.7	39.7	24.3	21.3	
200	18.0	29.00	39.8	37.8	21.8	19.0	
250	17.3	32.80	38.3	36.3	20.4	17.0	
<b>OTHER CHARACTERISTICS</b>							
MINIMUM BENDING RADIUS:10xDiameter WHIGHT:37.2kg/km FIRE BEHAVIOUR:IEC 332-1 PACKING:305m BOX				Prepared by: David      Date: 2020/09/24      Rev.:1 Approved by: Sannedy      Date:2020/09/24      Page1 of 1			