

TV & Satellite Digital Cables



TYPE	WC100	W102	W102 Twin	VISION 100	DIGISAT
MECHANICAL SPECIFICATION					
INNER CONDUCTOR	1.0mm Cu	1.02mm CU clad steel	1.02m Cu clad steel	1.0mm Cu	1.0mm Cu
DIELECTRIC	5 CELL PE	PHYS Foam	PHYS FOAM	5 CELL PE	PHYS Foam
DIAMETER OVER DIELECTRIC	4.7mm	4.8mm	4.8mm	4.6mm	4.6mm
SCREEN LONGITUDINALLY OVERLAPPED	CU FOIL	AL / PET	AL/PET	AL / PET	AL / PET
BRAID	CU 50%	0.12ALX64 Braid	0.12ALX64 Braid	T / CU 48%	T / CU 48%
SHEATHING MATERIAL	PVC	PVC	PVC	PVC	PVC
DIAMETER OVER SHEATH (SINGLE)	6.65mm	6.80mm	13.9mm	6.50mm	6.50mm
COLOUR	BLK / BRN / WHT	BLK / BRN / WHT	BLK/BRN/WHT	BLK / BRN / WHT	BLK / BRN / WHT
ELECTRICAL SPECIFICATION					
CHARACTERISTIC IMPEDANCE	75 OHM	75 OHM	75 OHM	75 OHM	75 OHM
DC RESISTANCE INNER CONDUCTOR	< 23 Ohm/Km	< 28 Ohm 305m	< 28 Ohm 305m	< 21 Ohm/Km	< 24 Ohm/Km
DC RESISTANCE OUTER CONDUCTOR	< 18 Ohm/Km	< 19.3 Ohm 305m	< 19.3 Ohm 305m	< 34 Ohm/Km	< 24 Ohm/Km
CAPACITANCE pF/m	56	16.2	16.2	55	52
VELOCITY RATIO	0.8	0.83	0.83	0.8	0.82
RETURN LOSS AT					
5 - 470 MHz	> 23 dB	> 25 dB	>25 dB	> 23 dB	> 23 dB
470 - 862 MHz	> 20 dB	> 25 dB	>25 dB	> 20 dB	> 20 dB
862 - 2150 MHz	> 18 dB	> 20 dB	>20 dB	> 18 dB	> 18 dB
ATTENUATION (dB/100m at 20°C)					
5 MHz	1.3	1.5	1.5	2.9	2.3
50 MHz	4.2	4.8	4.8	5.5	4.5
100 MHz	6.0	6.6	6.6	7.5	6.0
200 MHz	8.7	9.2	9.2	10.1	9.0
400 MHz	12.5	13.7	13.7	13.0	12.9
600 MHz	15.6	16.8	16.8	16.4	15.9
800 MHz	18.3	19.8	19.8	18.5	18.8
1000 MHz	20.5	21.8	21.8	22.5	21.5
1350 MHz	24.2	26.4	26.4	24.4	24.4
1750 MHz	27.9	31.5	31.5	32.0	28.5
2150 MHz	31.5	33.2	33.2	35.5	32.6

N.B. All figures shown are to manufacturers tolerance of +/- 10% and are for guidance only.

Although every effort has been made to ensure the accuracy of specifications at the time of this publication, specifications for products described are subject to change without notice.

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For delivery information please contact Webro sales on: +44 (0)115 9724483 or email: info@webro.com