

Digital TV & Satellite Cables

TYPE	WF65 Twin	HD100 Class A+	WF100	Twinsat 100	WF125	WF165	WF233	WF340
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MECHANICAL SPECIFICATION

INNER CONDUCTOR	0.65mm CU	1.0mm CU	1.0mm CU	1.0mm CU	1.25mm CU	1.55mm CU	2.2 mm CU	3.4 mm CU
DIELECTRIC	FOAM PE	FOAM PE	FOAM PE	FOAM PE	FOAM PE	FOAM PE	FOAM PE	FOAM PE
DIAMETER OVER DIELECTRIC	2.9mm	4.6mm	4.8mm	4.8MM	5.72mm	7.25mm	10.2mm	14.9mm
FIRST SCREEN	CU FOIL	CU FOIL	CU FOIL	CU FOIL	CU FOIL	CU FOIL	CU FOIL	CU FOIL
BRAID & COVERAGE CU	CU 85%	CU 55%	CU 40%	CU 40%	CU 40%	CU 50%	CU 60%	CU 60%
SECOND SCREEN	-	ALU PET FOIL 115%	-	-	-	-	-	-
SHEATHING MATERIAL	PVC	LSNH	PVC	PVC	PE	PE	PE	PE
DIAMETER OVER SHEATH	4.8/9.8mm	6.7mm	6.8mm	13.8mm	8.1mm	10.1mm	13.8mm	19.8mm
SHEATH COLOUR	BLACK	BLK/WHT/BRN	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK
WEIGHT APPROX kg/Km	56	48	47	95	52	81	175	340
MINIMUM SETTING RADIUS	25mm	68mm	65mm	-	75mm	100mm	150mm	200mm
MAX. TENSILE STRENGTH	30N	200N	55N	55N	125N	255N	600N	1200N

ELECTRICAL SPECIFICATION

CHARACTERISTIC IMPEDANCE	75 OHM	75 OHM	75 OHM	75 OHM	75 OHM	75 OHM	75 OHM	75 OHM
CAPACITANCE pF/m	54	56	55	55	54	55	54	53
VELOCITY RATIO	0.84	0.82	0.81	0.81	0.83	0.81	0.82	0.84
ATTENUATION (d/B 100m at 20°C)								
10 MHz	4.0	1.9	1.8	1.8	1.6	1.2	0.9	0.6
50 MHz	6.6	4.6	4.2	4.2	3.5	2.7	2.0	1.3
100MHz	9.7	6.5	5.9	5.9	4.9	3.9	2.9	1.9
230 MHz	14.9	9.5	9.1	9.1	7.5	6.1	4.4	2.9
300 MHz	17.2	10.8	10.5	10.5	8.6	7.0	5.1	3.4
470 MHz	21.7	13.8	13.3	13.3	10.9	8.9	6.5	4.3
600 MHz	24.8	16.0	15.0	15.0	12.3	10.1	7.4	4.8
860 MHz	30.0	19.5	18.3	18.3	14.5	12.5	9.2	6.0
1000 MHz	32.5	21.5	19.9	19.9	16.2	13.6	10.0	6.5
1350 MHz	37.3	24.5	23.4	23.4	19.0	16.0	11.9	7.7
1750 MHz	43.2	29.0	27.0	27.0	22.0	18.6	13.9	9.0
2150 MHz	48.4	32.5	30.3	30.3	24.8	20.9	15.6	10.0
RETURN LOSS								
5 - 470 MHz	≥ 20	>23	≥ 23	≥ 23	≥ 23	≥ 23	≥ 23	≥ 26
470 - 862 MHz	≥ 18	>20	≥ 20	≥ 20	≥ 20	≥ 20	≥ 20	≥ 22
862 - 2150 MHz	≥ 16	>18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18



N.B. All figures shown are to manufacturers tolerance of +/- 10% and are for guidance only. For further sheath materials such as Underground Direct Burial (UG) Low Smoke & Fume (LSF), Low Smoke No Halogen (LSNH) please call the sales team to discuss the options available.

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.

This publication has been issued for information purposes only and does not necessarily show stock availability.

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