



RoHS COMPLIANT 2002/95/EG

Messi & Paoloni srl

Via G. Conti N°1 - 60131 Ancona - Italy
Tel. +39 071 2861527 Fax +39 071 2861736
Internet: www.messi.it e-mail info@messi.itTYPE **INTSAT 170 ELITE (RG 11)**

CONSTRUCTION DATA

Inner Conductor	1 x	Ø mm	Cu 1,63	± 0,01 mm	→
Dielectric			PEG		→
Physical Expansion					→
Triple Layer		Ø mm	7,3	± 0,1 mm	→
Ext. Screen (tape)			Cu-Pol		→
Screening Percentage			100 %		→
Number of Wires		Tot.	144		→
Second Screen (Braid)			Cu		→
Screening Percentage			66 %		→
External Sheath			PE	BLACK	→
External Diameter		Ø mm	10,1	± 0,2 mm	→

Minimum Bending Radius (one bend) Outer/Inner **0 / 150**

ELECTRICAL DATA

Characteristic Impedance Ohm ± 3			75
Capacitance pF/m. ± 2			52
Velocity Ratio			85 %
Attenuation (at 20° C.)	MHz.	5 dB/100 m.	0,7
	MHz.	50 dB/100 m.	2,6
	MHz.	200 dB/100 m.	5,4
	MHz.	470 dB/100 m.	8,5
	MHz.	860 dB/100 m.	11,7
	MHz.	1000 dB/100 m.	12,6
	MHz.	1750 dB/100 m.	17,0
	MHz.	2050 dB/100 m.	18,4
	MHz.	2150 dB/100 m.	19,0
	MHz.	2400 dB/100 m.	20,2
	MHz.	3000 dB/100 m.	22,8
	Structural Return Loss between	30-300 MHz.	dB
300-600 MHz.		dB	> 30
600-900 MHz.		dB	> 29
Screening efficiency	100-300 MHz.	dB	> 80
	300-600 MHz.	dB	> 85
	600-990 MHz.	dB	> 85
Inner conductor resistance Ohm/Km			7,8
Outer conductor resistance Ohm/Km			9,2
Sheath Spark Testing kV			8
STANDARD Packing Type & Metres			BP200
Other Packings Type & Metres			B500
Connectors 'F' water proof			B004-FM
Connectors '5/8' water proof			B004-5/8
With reference to Norms	CEI 46/13 (Cable TV installations)		✓
	CEI 12/15 (Cables for centralised systems)		✓
	EN 50117 (Cable networks)		✓
	CEI 46/1 (Construction parameters of the cables)		✓

Legend: (*) BP200 = 200m Plastic bobbin
B500 = 500m wooden drums