

Alternatives:

Please ask for details

Construction:

Conductor	Silver plated high strength copper alloy (1x0,16)	0,16
Dielectric	Solid PTFE	0,52
Braid	Silver plated copper (0,06)	0,85
Inner jacket	FEP, Transparent	1,00
Braid	Silver plated copper (0,06)	1,35
Outer jacket	FEP, Brown-transparent	1,60
Weight	6,7 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	30000-050-02	



Notes:

All dimensions nominal (± 4%)
unless otherwise stated.
All dimensions in mm.

Electrical:

Impedance	50 ± 5 Ohms
Capacitance	nom 94 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	400 max
Working voltage, DC	800 max
Attenuation, typical values (nominal values at an air temperature of +20°C)	see table
Power, typical values (ambient temperature of 40°C at sea level and VSWR 1.0)	see table
Suitable for frequencies	up to 2,5 GHz
Shielding effectiveness	typically -60 dB/m

Attenuation	
MHz	dB/100m
100	65
200	92
400	130
900	196
1200	227
1500	254
1800	278
2000	294
2500	329

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 8mm
Minimum bend radius (MBR) dynamic use	multiple bends: 16mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	64
200	45
400	32
900	21
1200	18
1500	17
1800	15
2000	14
2500	13

Data provided indicates nominal values unless stated otherwise and is only valid for reference purposes at the time of publication and is subject to change without prior notice. These products are manufactured generally in accordance with the Mil Spec. in terms of design parameters and performance. Habia are not qualified to release product to the appropriate QPL.

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Approved by: 