

HUBER+SUHNER® DATA SHEET

Coaxial Cable: G_04233_D



Description

PE-75 Ohm - double screen - precision type

Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Steel, Copper plated	Wire	0.58 mm
Dielectric	PE (Polyethylene)		3.64 mm
Outer conductor	Copper, Silver plated	Braid, 97 %	4.45 mm
Outer conductor	Copper, Silver plated	Braid, 97 %	5.2 mm
Jacket	PVC (Polyvinyl chloride)	RAL 9005 - bk	6.7 mm +/- 0.15
Print	HUBER+SUHNER G 04233 D 75 Ohm 2 S PTT 6010 (PA no.)		

Electrical Data

Impedance	75 Ω +/- 1.5
Max. operating frequency	2 GHz
Capacitance	67 pF/m
Velocity of signal propagation	66 %
Signal delay	5.07 ns/m
Insulation resistance	$\geq 1 \times 10^8$ M Ω m
Min. screening effectiveness	> 78 dB (up to 3 GHz)
Max. operating voltage	3 kV _{rms} (at sea level)
Test voltage	6 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	8.3 kg/100 m
Min. bending radius	static 35 mm
	repeated (for max. 50 bendings) 67 mm

Environmental Data

Temperature range	-25 °C... + 85 °C
Installation temperature	-20 °C... + 60 °C
2002/95/EC (RoHS)	compliant

Ordering Information

Order as G_04233_D

Additional Information

Remarks

(For details refer to the HUBER+SUHNER RF CABLES GENERAL CATALOGUE or contact your nearest HUBER+SUHNER partner)

Cable group U18 4 mm / 75 Ohm

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Matrix **Attenuation** [formula: $(a \cdot f^{0.5} + b \cdot f)$] **and Power CW** [formula: $(p \cdot f^{0.5})$]

Coefficients:

a=	0.3106	b=	0.0909	f _{max} =	2	p _{at} 1GHz =	136
	Frequency		Nom. attenuation		Nom. attenuation		Max. CW power
	(GHz)		(dB / m)		(dB / ft)		(watt)
			sea level 25° C ambient temperature		sea level 25° C ambient temperature		sea level 40° C ambient temperature
	0.1		0.11		0.034		430
	0.2		0.16		0.049		304
	0.3		0.20		0.061		248
	0.4		0.23		0.070		215
	0.5		0.27		0.082		192
	0.6		0.30		0.091		176
	0.7		0.32		0.098		163
	0.8		0.35		0.107		152
	0.9		0.38		0.116		143
	1.0		0.40		0.122		136
	1.1		0.43		0.131		130
	1.2		0.45		0.137		124
	1.3		0.47		0.143		119
	1.4		0.49		0.149		115
	1.5		0.52		0.158		111
	1.6		0.54		0.165		108
	1.7		0.56		0.171		104
	1.8		0.58		0.177		101
	1.9		0.60		0.183		99
	2.0		0.62		0.189		96

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

WAIVER!

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