

HUBER+SUHNER® DATA SHEET

Coaxial Cable: G_04263-03



Description

PE-75 Ohm - single 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	Braid, 93 %	4.5 mm
Jacket	LSFH (modified polyethylene)	RAL 9005 - bk	6.1 mm +/- 0.15
Print	HUBER+SUHNER G 04263-03 75 Ohm (PA no.)		

Electrical Data

Impedance	75	Ω +/- 1.5
Max. operating frequency	1	GHz
Capacitance	67	pF/m
Velocity of signal propagation	66	%
Signal delay	5.07	ns/m
Insulation resistance	$\geq 1 \times$	$10^8 \text{ M}\Omega\text{m}$
Min. screening effectiveness	> 40	dB (up to 1 GHz)
Max. operating voltage	3	kV _{rms} (at sea level)
Test voltage	6	kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight		5.2	kg/100 m
Min. bending radius	static	32	mm
	repeated (for max. 50 bendings)	65	mm

Environmental Data

Temperature range	-40 °C... + 85 °C
Installation temperature	-20 °C... + 60 °C
Flammability	IEC 60332-1
Halogen free	IEC 60754
2002/95/EC (RoHS)	compliant

Ordering Information

Order as G_04263-03

Additional Information

Remarks

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

Cable group U16 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=	0.3314	b=	0.0969	f _{max.} =	1	p _{at} 1GHz =	140
	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
	0.05		0.08		0.024		626
	0.10		0.11		0.034		443
	0.15		0.14		0.043		361
	0.20		0.17		0.052		313
	0.25		0.19		0.058		280
	0.30		0.21		0.064		256
	0.35		0.23		0.070		237
	0.40		0.25		0.076		221
	0.45		0.27		0.082		209
	0.50		0.28		0.085		198
	0.55		0.30		0.091		189
	0.60		0.31		0.094		181
	0.65		0.33		0.101		174
	0.70		0.35		0.107		167
	0.75		0.36		0.110		162
	0.80		0.37		0.113		157
	0.85		0.39		0.119		152
	0.90		0.40		0.122		148
	0.95		0.42		0.128		144
	1.00		0.43		0.131		140

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

WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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