

HUBER+SUHNER® DATA SHEET

Coaxial Cable: S_04263

Rev.: E



Description

Single screened coaxial cable - flame retardant - free of halogen

Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper	Wire	0.83 mm
Dielectric	SPE (Foamed Polyethylene)		3.7 mm
Outer conductor	Copper	Braid, 92 %	4.35 mm
Jacket	PE (LSFH)	RAL 9005 - bk	6.1 mm +/- 0.1
Print	HUBER+SUHNER S 04263 75 Ohm (PA no.)		

Electrical Data

Impedance	75 Ω +/- 3
Max. operating frequency	1 GHz
Capacitance	54 pF/m
Velocity of signal propagation	82 %
Signal delay	4.08 ns/m
Insulation resistance	$\geq 1 \times 10^8$ M Ω m
Min. screening effectiveness	>40 dB (up to 1 GHz)
Max. operating voltage	0.5 kV _{rms} (at sea level)
Test voltage	1 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	4.7 kg/100 m
Min. bending radius	static 35 mm
	dynamic 91 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 S_04263

Additional Information

Remarks

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

Suitable Connectors

Cable group	crimped (U17)
	clamped (U15)
	soldered —

HUBER+SUHNER® DATA SHEET

Coaxial Cable: S_04263



Rev.: E

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

Coefficients:

a=	0.2622	b=	0.036	f _{max.} =	1	p _{at} 1GHz =	150
	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		0.06		0.018		671
	0.10		0.09		0.027		474
	0.15		0.11		0.034		387
	0.20		0.12		0.037		335
	0.25		0.14		0.043		300
	0.30		0.15		0.046		274
	0.35		0.17		0.052		254
	0.40		0.18		0.055		237
	0.45		0.19		0.058		224
	0.50		0.20		0.061		212
	0.55		0.21		0.064		202
	0.60		0.22		0.067		194
	0.65		0.23		0.070		186
	0.70		0.24		0.073		179
	0.75		0.25		0.076		173
	0.80		0.26		0.079		168
	0.85		0.27		0.082		163
	0.90		0.28		0.085		158
	0.95		0.29		0.088		154
	1.00		0.30		0.091		150

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.



HUBER+SUHNER AG
RF Industrial
9100 Herisau, Switzerland
 Phone +41 (0)71 353 41 11
 Fax +41 (0)71 353 45 90
 www.hubersuhner.com

HUBER+SUHNER – Excellence in Connectivity Solutions