

SPUMA_FR-400

Flexible communication cable equal to LMR-400-FR



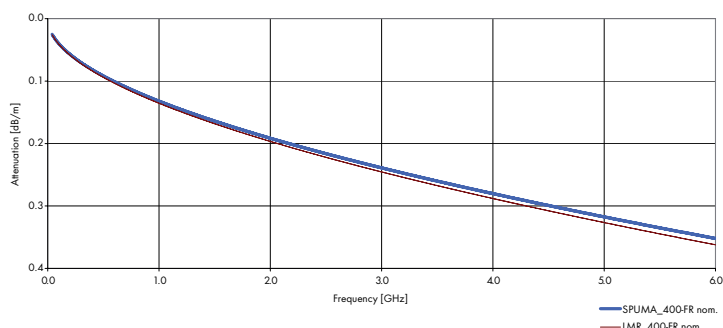
Features

- Very low loss, flexible communication cable
- Equivalent to LMR-400-FR
- Non-halogen (non-toxic) low smoke, flame resistant
- UL recognised AWM product according standard 758, style 1354

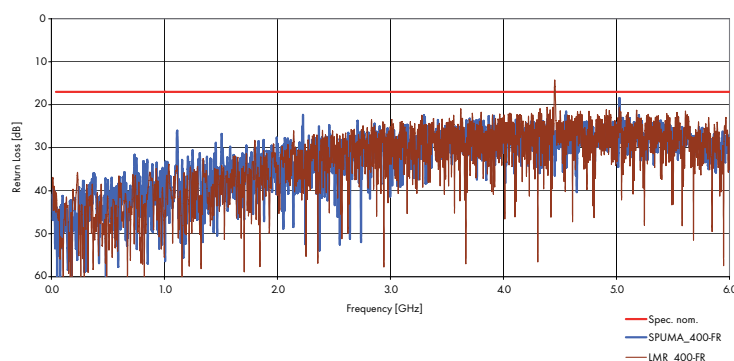
Benefits compared to LMR-400-FR

- Less attenuation
- Less price
- Excellent return loss (VSWR)

Attenuation vs. frequency (typical)
(SPUMA_400-FR vs. LMR_400-FR)



Return loss vs. frequency
(SPUMA_400-FR vs. LMR_400-FR)



Composition of cable

Centre conductor	Aluminium / Copper	Wire	2.74 mm
Dielectric	SPE (Foamed Polyethylene)		7.24 mm
Outer conductor	Aluminum / PES	longitudinal Foil, 100 %	7.45 mm
Outer conductor	Copper, tin plated	Braid, 78 %	8.2 mm
Jacket	LSFH (modified polyethylene)	RAL 9005 - bk	10.25 mm +/- 0.1
Print	HUBER+SUHNER SPUMA 400-FR 50 Ohm UL AWM Style 1354 (PA no.)		

Technical data

Frequency range	DC up to 6 GHz
Temperature range	-40 °C... + 85 °C
Flammability	UL 1581 § 1100, UL 1581 § 1080 (VW-1), IEC 60332-3-24
Halogen free	IEC 60754
2002/95/EC (RoHS)	compliant

Suitable connectors

11_N-50-7-69	11_TNC-50-7-18
16_N-50-7-77	16_TNC-50-7-4
11_QN-50-7-8	11_TNC-R50-7-13
16_QN-50-7-5	

Return loss of Assembly with straight plug and right angle connectors

1 GHz:	>28dB
2.5 GHz:	>23dB
3.5 GHz:	>18dB
6 GHz:	>15dB

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS.

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
Business Unit Industrial
9100 Herisau/Switzerland
Tel. +41 71 353 4111
Fax +41 71 353 4590
info@hubersuhner.com

