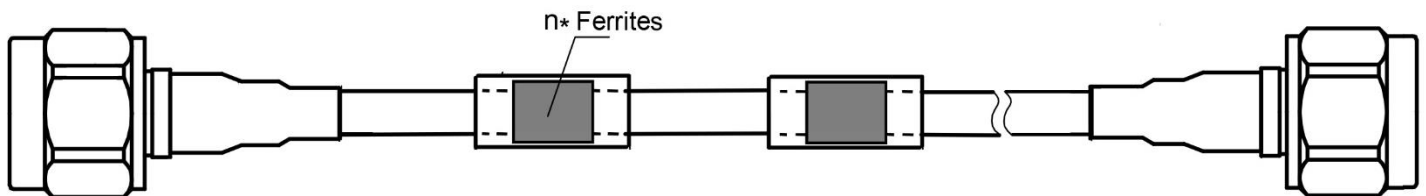


SWBC-A02 – Sheath Wave Blocking Cable

Model: SWBC-A02-07-07-5M/CH **RF Connectors:** N-m (optional -f) **Length:** 5 m

Sheath waves are a form of (mostly unwanted) electromagnetic waves on the outer conductor (or sheath) of a coaxial cable. Due to the unwanted emission of conducted and/or radiated electromagnetic signals, those interfere with EMC measurements. High-frequency sheath waves on coaxial cables can be suppressed e.g. with our special sheath wave blocking cable using ferrite cores.

Typical application: e.g. mobile testing ISO 11451-3 and ISO 11452-9



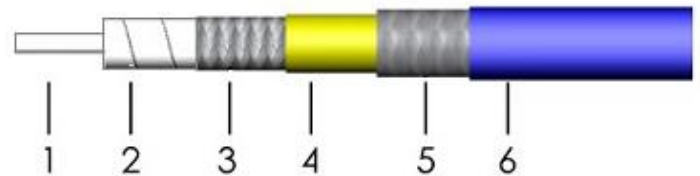
Attenuation & RF Power

Frequency GHz	0,01	0,05	0,1	0,5	1	5	10	50	100	500	1000	2000	3000
Total Cable Assembly Attenuation dB	0,1	0,1	0,1	0,1	0,1	0,1	0,3	0,5	0,7	1,1	1,7	2,2	2,9
CW Power W	500	500	500	500	500	400	400	400	300	300	200	100	100

Construction

Description	Diameter	Material
1 Center Conductor	1.29 mm	Solid SPC
2 Dielectric	3.68 mm	Expanded PTFE Tape
3 Outer Conductor	3.86 mm	SPC Strip
4 Interlayer	4.01 mm	Aluminium Polyester
5 Outer Shield	4.42 mm	SPC Braid
6 Jacket	4.95 mm	FEP
Ferrite Cover	10.00 mm	Shrink Tubing

PTFE, FEP: teflon SPC: silver plated copper



Bend Radius: installation 75 mm
 Bend Radius: repeated 150 mm
 Weight approx. 5 kg
 Temperature Range -55 ... +85 °C

Sheath Wave Attenuation (typical)

Sheath Wave Attenuation	from	to
5 dB	50 kHz	3 GHz
10 dB	200 kHz	500 MHz
15 dB	300 kHz	300 MHz
20 dB	500 kHz	80 MHz
30 dB	3 MHz	20 MHz

