


Habiatron™ / R Class coaxials


HFI 90 XL dielectric, HFS 80 N sheathed coaxials for non-Class 1E use

Intended for use in nuclear related equipment located in mild environmental conditions

50 Ω

Order reference		Core			Finished cable			Electrical		
		Tin Plated Copper (TPC)		HFI 90 L XL	Cu Foil & TPC braid	HFS 80 N	Weight	Cap.	DC current rating	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s			In free air at 40°C	
Description	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC rms
RG 58 R Class, Black	700059479	19 x 0.18	0.90	2.95	Foil: 3.05 TPC: 3.60	4.95 Mica 5.30 8.20	95	105	14	1,400




75 Ω

Order reference		Core			Finished cable			Electrical		
		Copper Covered Steel (CCS)		HFI 90 L XL	Cu Foil & TPC braid	HFS 80 N	Weight	Cap.	DC current rating	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s			In free air at 40°C	
Description	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC rms
RG 59 R Class, Black	700045441	Solid	0.57	3.70	Foil: 3.80 TPC: 4.50	6.15 Mica 6.50 9.80	125	72	10	1,700


Attenuation (dB/100m @ 20°C) and power ratings (Watts @ 40°C)

Frequency MHz	RG 58 R Class		RG 59 R Class	
	dB	W	dB	W
30	9	329	6	560
100	17	180	11	307
400	35	90	23	153
1,000	56	57	37	97
2,500	91	36	61	61

Cable identification

Dielectric	Natural	
Inner sheath	Black	
Sheath	Black	
Marking	Length - Habia Cable - Voltage - Size - Type - Year-Week - Batchcode - Article No.	

Characteristics and key properties

		RoHS REACH LVD	Current rating IEC 60287	Fluid resistant Water	Flame resistant IEEE 1202 UL 1581 VW-1	Halogen free IEC 60754-1 IEC 60754-2	Smoke free IEC 60754-2	MBR Fixed = 7.5x Ø
Type test to IEEE					Temp installation -25°C		Temp >60 years LOCA +90°C	

DISCLAIMER: This document and its content remain the property of Habia Cable. It may not be used, copied or provided to any other party than the intended recipient, without prior written permission from Habia Cable. The product shown is intended for professional use and is subject to the user's own evaluation for any particular purpose. Information provided indicates nominal, indicative values and cannot be considered a binding representation or warranty for products and their use. Information is considered valid at the time of publication and is subject to change without notice.