


## Habiatron™ / Q Class coaxials


HFI 90 XL dielectric, HFS 105 XL B sheathed coaxials for Class 1E use

Intended for use in safety related equipment for harsh environments and for accident conditions

50 Ω

Order reference		Core			Finished cable			Electrical		
		Tin Plated Copper (TPC)		HFI 90 L XL	Cu Foil & TPC braid	HFS 105 XL B	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 Q Class, Black	700059469	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 105 XL B	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 Q Class, Black	700059482	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 Q Class		RG 59 Q 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		<b>Current rating</b> IEC 60287	<b>Fluid resistant</b> Water		<b>Flame resistant</b> IEEE 1202 UL 1581 VW-1	<b>Halogen free</b> IEC 60754-1 IEC 60754-2	<b>Smoke free</b> IEC 60754-2	<b>MBR</b> Fixed = 7.5x Ø
<b>Type test to IEEE</b>						<b>Temp installation</b> -25°C		<b>Temp &gt;60 years LOCA</b> +90°C		

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