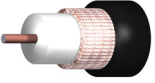


## Seaguard DS™ / LFH/URM

HFI 90 L dielectric, HFS 107 XL B sheathed coaxials to DSP 61-12 Pt 9  
Intended for use primarily as transmission line in high frequency applications

Order reference		Core			Finished cable				Electrical			
		Copper (CU)		HFI 90 L	CU braid	HFS 107 XL B	Weight	Fixed MBR	Imp.	Cap.	DC current rating In free air at 40°C	Voltage
		Strands	Wire	Dielectric	Shield/s	Sheath/s						
Description (NSN - if applicable)	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	mm	Ohms	pF/m	Amps	V AC rms
LFH/URM 43 (6145-99-891-9850)	6198919850	Solid	0.90	2.95	3.70	5.00	40	25	50	100	15	5,200
LFH/URM 67 (6145-99-891-9861)	6198919861	7 x 0.75	2.25	7.25	8.15	10.30	160	50		100	44	13,000
LFH/URM 76 (6145-99-891-9849)	6198919849	7 x 0.32	0.96	2.95	3.65	5.00	40	25		100	14	5,200
LFH/URM 115 (6145-99-891-9851)	6198919851	Solid	0.90	2.95	3.60 5.30	4.60 7.20	85	35		100	15	5,200
LFH/URM 57 (6145-99-891-9866)	6198919866	Solid	1.15	7.25	8.15	10.30	150	50	75	67	23	10,500
LFH/URM 60 (6145-99-891-9868)	6198919868	Solid	1.15	7.25	7.95 8.65	11.00	185	55		67	23	10,500
LFH/URM 70 (6145-99-891-9852)	6198919852	7 x 0.19	0.57	3.25	3.95	5.80	60	30		67	8	3,600
LFH/URM 117 (6145-99-891-9854)	6198919854	7 x 0.20	0.61	3.70	4.40	6.00	60	30		67	9	5,200


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

Frequency MHz	LFH/URM 43		LFH/URM 67		LFH/URM 76		LFH/URM 115		LFH/URM 57		LFH/URM 60		LFH/URM 70		LFH/URM 117	
	dB	W	dB	W	dB	W	dB	W	dB	W	dB	W	dB	W	dB	W
30	8	1,150	4	3,644	8	1,004	7	1,092	3	2,324	3	3,080	8	1,019	7	1,161
100	14	630	7	1,996	15	550	13	598	6	1,273	6	1,687	14	558	13	636
400	29	293	15	998	31	275	27	299	12	637	12	844	29	262	27	318
1,000	47	185	24	550	50	163	43	176	21	365	21	382	47	166	43	188
2,500	77	117	39	348	81	103	71	111	35	231	35	242	77	105	71	119

### Cable identification

Dielectric	Natural	<input type="radio"/>
Sheath	Black	<input checked="" type="radio"/>
Marking	Last 7 digits of the NSN - Description - Country of production - Company Code - Year of production	


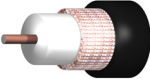
### Characteristics and key properties

	RoHS 2011/65/EU	REACH EC No. 1907/2006	LVD 2014/35/EU	Halogen free	Low smoke	Flame retardant	+85°C High temp (40,000 hrs)
	DSP 61-12 Pt 9 approved	NSN codified			Fixed MBR 5x OD	Current rating to IEC 60287	-30°C Low temp

DISCLAIMER: Information is indicative and cannot be considered a binding representation or warranty for products and their use. Valid at the time of publication, it is subject to change without notice. Data indicates nominal values in millimetres (mm) unless otherwise stated.

## Seaguard DS™ / LFH/URM

HFI 90 L dielectric, HFS 107 XL B sheathed coaxials to DSP 61-12 Pt 9  
Intended for use primarily as transmission line in high frequency applications

Order reference		Core			Finished cable				Electrical			
	Silver Plated Copper (SPC)	HFI 90 L	CU braid	HFS 107 XL B	Weight	Fixed MBR	Imp.	Cap.	DC current rating In free air at 40°C	Voltage		
		Strands	Wire	Dielectric							Shield/s	Sheath/s
Description (NSN - if applicable)	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	mm	Ohms	pF/m	Amps	V AC rms
LFH/URM 112 (6145-99-891-9863)	6198919863	7 x 0.75	2.25	7.25	8.65	10.80	210	55	50	100	44	13,000
	Copper Covered Steel (CCS)	HFI 90 L	CU braid	HFS 107 XL B	Weight	Fixed MBR	Imp.	Cap.	DC current rating In free air at 40°C	Voltage		
		Strands	Wire	Dielectric							Shield/s	Sheath/s
Description (NSN - if applicable)	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	mm	Ohms	pF/m	Amps	V AC rms
LFH/URM 54 (6145-99-891-9857)	6198919857	7 x 0.19	0.57	3.25	3.95 6.10	5.40 8.30	120	45	75	67	8	3,600
LFH/URM 90 (6145-99-891-9855)	6198919855	Solid	0.60	3.70	4.40	6.00	60	30		67	10	5,200
LFH/URM 114 (6145-99-891-9856)	6198919856	Solid	0.57	3.70	4.40 6.00	5.30 8.20	115	40		67	10	5,200

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

Frequency MHz	LFH/URM 112		LFH/URM 90		LFH/URM 54		LFH/URM 114	
	dB	W	dB	W	dB	W	dB	W
30	4	3,288	6	1,371	8	984	7	1,294
100	7	1,801	11	751	14	539	13	709
400	15	901	23	376	29	270	27	355
1,000	24	413	37	219	47	160	43	206
2,500	39	261	60	139	77	101	71	130

### Cable identification

Dielectric Natural

Sheath Black

Marking Last 7 digits of the NSN - Description - Country of production - Company Code - Year of production

### Characteristics and key properties

	RoHS 2011/65/EU	REACH EC No. 1907/2006	LVD 2014/35/EU	Halogen free	Low smoke	Flame retardant	+85°C High temp (40,000 hrs)
DSP 61-12 Pt 9 approved	NSN codified				Fixed MBR 5x OD	Current rating to IEC 60287	-30°C Low temp

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