

## Def Stan 61-12 Part 9 / 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

50 Ω

Order reference		Core			Finished cable			Electrical		
		Copper (CU)		HFI 90 L	CU braid	HFS 107 XL B	Weight	Cap.	DC current rating In free air at 40°C	Voltage
Description (NSN)	Article Number	Stranding	Conductor	Dielectric	Shield/s	Sheath/s				
LFH/URM 43 (6145-99-891-9850)	6198919850	Solid	0.90	2.95	3.70	5.00	40	100	15	2,600
LFH/URM 67 (6145-99-891-9861)	6198919861	7 x 0.75	2.25	7.25	8.15	10.30	160	100	44	6,500
LFH/URM 76 (6145-99-891-9849)	6198919849	7 x 0.32	0.96	2.95	3.65	5.00	40	100	14	2,600
LFH/URM 115 (6145-99-891-9851)	6198919851	Solid	0.90	2.95	3.60 5.30	4.60 7.20	85	100	15	2,600

75 Ω

Description (NSN)	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC Peak
LFH/URM 57 (6145-99-891-9866)	6198919866	Solid	1.15	7.25	8.15	10.30	150	67	23	5,000
LFH/URM 60 (6145-99-891-9868)	6198919868	Solid	1.15	7.25	7.95 8.65	11.00	185	67	23	5,000
LFH/URM 70 (6145-99-891-9852)	6198919852	7 x 0.19	0.57	3.25	3.95	5.80	60	67	8	1,800
LFH/URM 117 (6145-99-891-9854)	6198919854	7 x 0.20	0.61	3.70	4.40	6.00	60	67	9	2,600

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

Sheath Black

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

### Characteristics and key properties

<b>CE</b>	<b>UK CA</b>	RoHS REACH LVD		<b>Current rating</b> IEC 60287	<b>Fluid resistant</b> Fuel Oil Water		<b>Flame resistant</b>	<b>Halogen free</b>	<b>Smoke free</b>	<b>MBR</b> Fixed = 5x Ø Flexing = 10x Ø
<b>Approval</b> Def Stan 61-12 Part 9	<b>Codified</b> Nato Stock Number (NSN)							<b>Temp low</b> <b>-30°C</b>	<b>Temp &gt;40,000 hrs</b> <b>+85°C</b>	

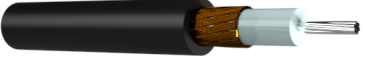
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## Def Stan 61-12 Part 9 / LFH/URM

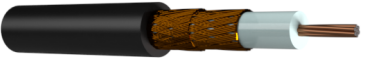
HFI 90 L dielectric, HFS 107 XL B sheathed coaxials to DSP 61-12 Pt 9

Intended for use primarily as transmission line in high frequency applications

50 Ω

Order reference		Core			Finished cable			Electrical		
		Silver Plated Copper (SPC)		HFI 90 L	CU braid	HFS 107 XL B	Weight	Cap.	DC current rating	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s			In free air at 40°C	
Description (NSN)	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC Peak
LFH/URM 112 (6145-99-891-9863)	6198919863	7 x 0.75	2.25	7.25	8.65	10.80	210	100	44	6,500

75 Ω

Order reference		Core			Finished cable			Electrical		
		Copper Covered Steel (CCS)		HFI 90 L	CU braid	HFS 107 XL B	Weight	Cap.	DC current rating	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s			In free air at 40°C	
Description (NSN)	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC Peak
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	67	8	1,800
LFH/URM 90 (6145-99-891-9855)	6198919855	Solid	0.60	3.70	4.40	6.00	60	67	10	2,600
LFH/URM 114 (6145-99-891-9856)	6198919856	Solid	0.57	3.70	4.40 6.00	5.30 8.20	115	67	10	2,600

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 REACH LVD		<b>Current rating</b> IEC 60287	<b>Fluid resistant</b> Fuel Oil Water		<b>Flame resistant</b>	<b>Halogen free</b>	<b>Smoke free</b>	<b>MBR</b> Fixed = 5x Ø Flexing = 10x Ø
<b>Approval</b> Def Stan 61-12 Part 9	<b>Codified</b> Nato Stock Number (NSN)						<b>Temp low</b> -30°C	<b>Temp</b> >40,000 hrs +85°C		

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