

HUGHES NETWORK SYSTEMS**FIELD SERVICE BULLETIN****SUBJECT: IFL Cable, Approved List (with lengths)
for Spaceway Domestic Installations****FSB NUMBER: FSB_080202_01A****FSB ISSUE DATE: 2/2/08****SUBMITTED BY: D. Isoldi****APPROVED BY: D. Dostalík****CHANGE TO BE IMPLEMENTED BY:****AUTHORIZED HUGHES REPRESENTATIVE****CUSTOMER****DOCUMENTATION AFFECTED:**

Spaceway Installation Specifications

CATEGORY:**HARDWARE****FIRMWARE****SOFTWARE****OTHER****EFFECTIVE DATE:****IMPLEMENT:****IMMEDIATELY****NEXT SERVICE CALL****OTHER****COMMENTS:**

This Field Service Bulletin (FSB) is for Spaceway installs.

Use this in conjunction with these Field Service Bulletins:

- FSB_051019_01 - Measuring IFL Cable DC Loop Resistance on HNS Broadband/DirecWay systems
- FSB_050518_01 - HNS Broadband requirements for RG-6 and RG-11 IFL cable connectors, ground blocks and ground block location

REMOVED MATERIAL DISPOSITION**SHIP TO** N/A**ATTENTION** N/A**COMMENTS** N/A

How to use this FSB

1. Select Column A, Column B, or Column C based on the RFU part number. Use Column A for 1 watt RFUs. Use Column B for 2 watt RFUs. Use Column C for 4 watt RFUs (refer to Table 1).
2. Determine the maximum allowable IFL cable length based on the Vendor Part Number shown in the left column.

Note: The 1 watt RFUs will use a 73 watt power supply, part number 1501006-0001.

The 2 watt and 4 watt RFUs will use a 111 watt power supply, part number 1501087-0001.

Table 1. RFU and Power Supply Part Numbers

1 Watt RFU /	2 Watt RFU	4 Watt RFU
1500913-0001	1500914-0001	1500813-0001
1037673-0001	1037674-0001	1037675-0001

Refer to Table 2 to determine the appropriate cables to use for systems installed in CONUS, HI, AK, VI, PR, and Canada.

Table 2. Cables for use with domestic satellites.

Vendor Part Number	Column A Max length (in feet) 1-watt RFU	Column B Max length (in feet) 2-watt RFU	Column C Max length (in feet) 4-watt RFU	Plenum
RG6 Cable				
Commscope 5781	300	300	300	no
Commscope 5781 / Dual 5782	300	300	300	no
Commscope 5729	300	300	300	no
Commscope 5773	300	300	300	no
Commscope 2229V	241	241	241	yes
Commscope 2229K	232	232	232	yes
Commscope 0132K or 0132V	241	241	241	yes
Laser LSC741 (RS&I)	280	280	280	no
Laser LSC751 (RS&I) Dual LSC741	280	280	280	no
Summit 7200 (RS&I)	307	307	307	no
ULPVRG6SCBLK (Perfect 10)	284	284	284	no
ULPVRG6SCDUAL (Perfect 10)	284	284	284	no
ULPVRG6SCQUAD (Perfect 10)	304	304	304	no
ULPVRG6SCDLQD (Perfect 10)	304	304	304	no
P7200BX-PB-1000 (Black)	271	271	271	no
P7200BX-WB-1000 (White)	271	271	271	no
P7400BX-PB-500 (Dual 7200 Black)	271	271	271	no
P7600BX-PB-500 (P7400 w/17 awg messenger)	271	271	271	no
Vextra V621	300	300	300	no
Vextra V2621	300	300	300	no
Vextra V2621GW	300	300	300	no
Belden 1829AC	271	271	271	no
Belden 1841AC	271	271	271	no
1029265-0001	272	272	272	no
1029265-0002	232	232	232	yes
1029265-0003	232	232	232	yes
RG11 Cable				
Commscope 5906 / RG11	427	427	427	no
Commscope 2287K / RG11	337	337	337	yes
1010807-0001	107	107	107	yes
1010810-0001	113	113	113	no
1010809-0001	300	300	300	yes
1010812-0001	450	450	450	no
Helix Cable				
LDF4-75A	796	796	796	no
FDF4RN-75A	796	796	796	fire retardant