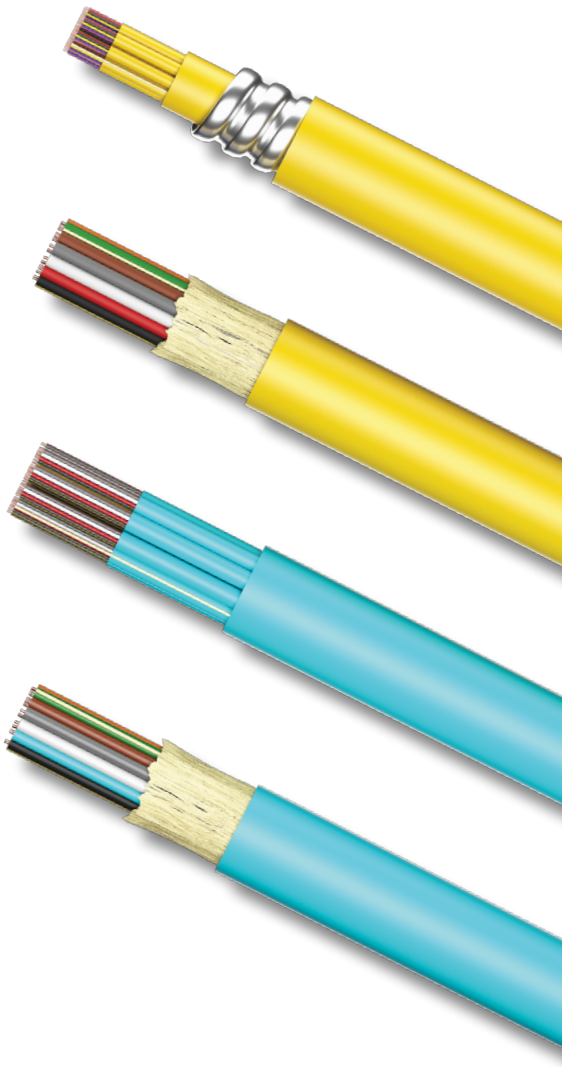
HUBBELL
Premise Wiring

FiberHUBB Universal Cable

Simplify deployment with one cable for all your needs!



Benefits

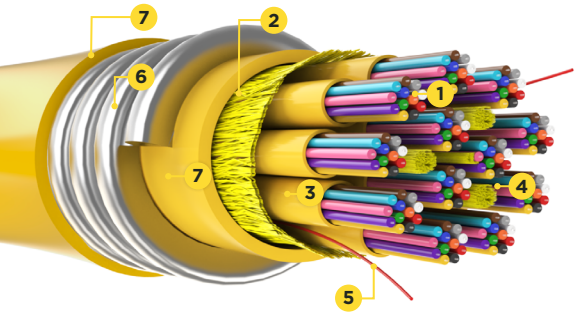
- Multi-purpose outdoor to building riser or horizontal infrastructure all with a single cable design
- Both armored and non-armored cables available in standard jacket colors.
- Flexible, cost-effective design simplifies installation and termination.
- Eliminates the need for transition points with plenum rated jacket
- Enhanced water blocking system inside the core cable
- Fungus and sunlight resistant with UV stabilization
- Made in USA with bend-insensitive Corning glass

Applications

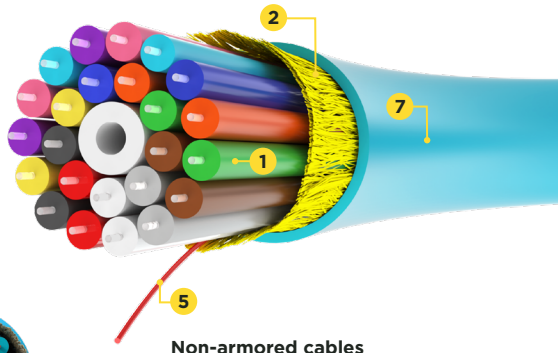
- Intra-building LAN, backbone, and horizontal fiber cabling
- Inter-building campus LAN/WAN
- Suitable for wide temperature ranges below the frost line
- Armoring for unprotected cable pathways and rodent prone areas
- Not recommended for direct bury or aerial lashed installations

Standards & Compliance

- EN 50173; ISO/IEC 11801
- ANSI/ICEA S-83-596; ANSI/ICEA S-104-696; ANSI/TIA-568.3-D; NFPA 130; NFPA 262; TELCORDIA GR-409
- ETHERNET: 10BASE, 100BASE, 1000BASE, 10GBASE, 40GBASE, 100GBASE, 400GBASE
- FIBRE CHANNEL: 1, 2, 4, 8, 16, 32, 128 GFC
- SONET: OC -1, 3, 12, 24, 48, 192, 768
- SDH: STM-0, 1, 4, 16, 64, 256
- OTN: OTU1, 2, 2e, 2f, 3, 3e2, 4
- CPRI: CPRI-1, 2, 3, 4, 5, 6, 7, 7a, 8, 9
- PON (SMF ONLY): RFoG, APON, BPON, EPON, GPON, WDM-PON, NG-PON



1. Buffered optical fiber
2. 5.2mm aramid-filled subunit
3. Plenum-grade subunit jacket
4. Strength member
5. Ripcord
6. Aluminum interlock armor
7. Plenum-grade jacket



Armored cables

For fiber counts from 36 to 144

For fiber counts up to 24

Non-armored cables

Optical Properties

Fiber Type	Core Size	Wavelength (nm)	Max Attenuation (dB/KM)	Distance (m) 1G / 10G / 40G / 100G"	Color
OM4	50 um	850 / 1300	2.8/0.8	1040 / 550 / 150 / 100	Aqua
OS2	8.3 um	1310 / 1550	0.5/0.5	5000 / 10000 / 10000 / 10000	Yellow

Cable Properties

Armored				
Fiber Count	**Part Number**	**OD in/mm**	**Weight lb/kft kg/km**	**Min. Bend Radius Install/Long Term in. (cm)**
6	*HFCB19006Px	0.499 / 12.7	81 / 120	7.5 (19.0) / 5.0 (12.7)
12	*HFCB19012Px	0.527 / 13.4	90 / 133	7.9 (20.1) / 5.3 (13.4)
24	*HFCB19024Px	0.590 / 15.0	116 / 172	8.9 (22.5) / 5.9 (15.0)
48	HFCB19048Px	0.921 / 23.4	274 / 408	13.8 (35.1) / 9.2 (23.4)
72	HFCB19072Px	0.974 / 24.7	361 / 537	14.6 (37.1) / 9.7 (24.7)
96	HFCB19096Px	1.225 / 31.1	503 / 749	18.4 (46.7) / 12.3 (31.1)
144	HFCB19144Px	1.225 / 31.1	508 / 756	18.4 (46.7) / 12.3 (31.1)
Non-Armored				
Fiber Count	**Part Number**	**OD in/mm**	**Weight lb/kft kg/km**	**Min. Bend Radius Install/Long Term in. (cm)**
6	*HFCB14006Px	0.180 / 4.6	13 / 19	2.7 (6.9) / 1.8 (4.6)
12	*HFCB14012Px	0.215 / 5.5	18 / 27	3.2 (8.2) / 2.2 (5.5)
24	*HFCB14024Px	0.288 / 7.3	34 / 51	4.3 (11.0) / 2.9 (7.3)
48	HFCB14048Px	0.558 / 14.2	136 / 202	8.4 (21.3) / 5.6 (14.2)
72	HFCB14072Px	0.671 / 17.0	212 / 316	10.1 (25.6) / 6.7 (17.0)
96	HFCB14096Px	0.859 / 21.8	313 / 466	12.9 (32.7) / 8.6 (21.8)
144	HFCB14144Px	0.896 / 22.8	318 / 474	13.4 (34.1) / 9.0 (22.8)

x indicates OM4 or OS2
** indicates Core Stocking Cables*

Part Number Configurator

Armored	
	Catalog Number
xxx = Fiber count (002 to 144 strand)	HFCB19xxxPy
d = '4' for OM4 'S' for OS2	
Example: HFCB19012P4	
Description: OM4, 12 fiber, Armored, Plenum, Tight Buffer, Aqua	

Non-Armored	
	Catalog Number
xxx = Fiber count (002 to 144 strand)	HFCB14xxxPy
d = '4' for OM4 'S' for OS2	
Example: HFCB14048S	
Description: Singlemode, 48 fiber, Plenum, Tight Buffer, Yellow	

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