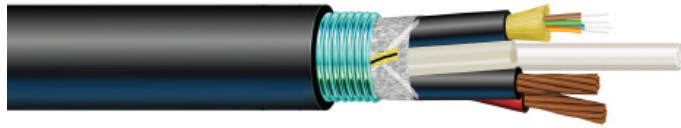




Steel Armor Hybrid Cable

Industrial applications (6 or 8 AWG conductors)



Product Snapshot

- Application** Deployment in Remote Radio Head (RRH) cell tower applications
- Construction** Two to five 8 AWG or 6 AWG insulated conductors, one optical cable subunit with 4, 6, or 8 tight buffer 900µm optical fibers, and filler rods as needed are stranded around a central strength member. Dry water blocking technology is utilized and corrugated steel tape armor is formed around the cable core with UV stabilized outer jacket extruded over the steel tape armor.
- Optical Fibers**
 - Fiber Type:** Dispersion- unshifted single-mode (bend-insensitive)
 - Applicable Specifications:
ITU-T G.652.D
ITU-T G.657.A2 & B2

- Attenuation**
 - ≤ 0.5 dB/Km @ 1310 nm
 - ≤ 0.5 dB/Km @ 1383 nm
 - ≤ 0.5 dB/Km @ 1550 nm
- Outside Diameter** 18.5 mm (0.73 in) Nominal
- Environmental**
 - Storage Temperature: -40° C to +80° C
 - Installation Temperature: -30° C to +70° C
 - Operating Temperature: -40° C to +80° C
- Part Number** HF281A1J-04-BX-004

Note. Cable damage may occur if installation temperature limits are exceeded; therefore, Prysmian Group recommends storing I/O cables in appropriate temperature conditions ≥ 24 hours prior to placement.



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Ordering Guide The Prysmian Group part number incorporates several significant attributes involving cable design and optical performance. The appropriate part number can be configured using the process described in the example.

Example: Outdoor single armor | four bend-insensitive (G.657A2) tight buffer optical fibers | two 8 AWG copper conductor



CABLE INFORMATION	
1	LENGTH MARKINGS
F = Feet or M = Meters	
2	PRODUCT FAMILY
ezMOBILITY	
a)	Product Family HF = Steel Armor Hybrid Cables
b)	Number of Conductors 2 = Two conductors 3 = Three conductors 4 = Four conductors 5 = Five conductors
c)	Copper construction size 6 = 6 AWG 8 = 8 AWG
3	CONSTRUCTION
1A1J = Outside single armor with single PE jacket	
4	FIBER GROUPING
Fibers per subunit (one subunit per cable)	
04 = four 900 μm tight buffer fibers in a subunit	
06 = six 900 μm tight buffer fibers in a subunit (6 AWG only)	
08 = eight 900 μm tight buffer fibers in a subunit (6 AWG only)	

FIBER INFORMATION		
5	FIBER TYPE	
SINGLE-MODE		
B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & B2 & G.652.D)		
6	FIBER COUNT	
002 to 008 fibers		
7	FIBER GRADE	
SINGLE-MODE		
Attenuation (dB/km)	Wavelength (nm)	Fiber Type
EA = 0.5/0.5/0.5	1310/1383/1550	Bend-Insensitive Single-Mode

Other cable constructions and fiber performance grades available on request

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