

# IP-RJ45 ETHERNET CABLE ASSEMBLIES



## Fully Compatible with the Outdoor GatorLink!

Fiber Connections offers a line of high quality Industrial Ethernet cable assemblies that are fully compatible with the Outdoor GatorLink. These cables are built right here in our North American factory and can be customized to suit any application. Water/dust proof Ethernet connections are made using an ODVA compatible IP-RJ45 connector. Cables can also be configured with standard RJ45 connectors or as pigtails. Custom configurations are available upon request.

### KEY FEATURES

- Cat6 outdoor direct burial rat cable
- aluminum foil shielded with unshielded twisted pairs (F/UTP)
- 23 AWG solid bare copper conductors
- excellent attenuation and crosstalk characteristics
- cable exceeds TIA 568C.2, ISO/IEC 11801, YD/T1019 specifications
- RoHS compliant
- ODVA compatible IP-RJ45 provides IP water immersion and dust protection

### Cable Compliance

ISO/IEC 11801  
TIA/EIA-568-C.2 (Category 6)  
ANSI/ICEA S-90-661 (Category 6)  
NEMA WC63.1 (Category 6)  
RoHS Compliance For The Requirement Of European Union Issued Directive 2002/95/EC

### Cable Physical Characteristics

Conductor Size: 23AWG  
Conductor Material: Solid Bare Copper  
Insulation Material: High Density Polyethylene (HDPE)  
Insulation Diameter:  $1.09 \pm 0.03$ mm  
Number of Conductors: 8 Conductors  
Number of Pairs: 4 Pairs  
Outer Shield Material: Aluminum Foil  
Drain Wire: Yes  
Outer Jacket Material: LDPE (Complies RoHS)  
Outer Jacket Diameter:  $7.4\text{mm} \pm 0.4\text{mm}$   
Outer Jacket Rip Cord: Yes

## PART NUMBERS



**FCP14357-XX**  
CAT6 F/UTP 23AWG IP-RJ45  
to RJ45 Outdoor Direct Burial  
Cable – XX Meters



**FCP14358-XX - CAT6 F/UTP**  
23AWG IP-RJ45 to PIGTAIL  
Outdoor Direct Burial Cable  
– XX Meters



**FCP14359-XX - CAT6 F/UTP**  
23AWG IP-RJ45 to IP-RJ45  
Outdoor Direct Burial Cable  
– XX Meters

## IP-RJ45

IP-68 Water Immersion & Dust  
Protection for Harsh Environments  
-40°C/70°C | Chemical Resistance | ODVA Compatible



## TECHNICAL SPECIFICATIONS

Frequency MHz (Maximum)	ATT dB/100m (328 ft.) (Maximum)	ACR dB/100m (328 ft.) (Maximum)	DELAY ns/100m (328 ft.) (Minimum)	NEXT dB/100m (328 ft.) (Minimum)	PS-NEXT dB/100m (328 ft.) Minimum	ELFEXT dB/100m (328 ft.) (Minimum)	PS-ELFEXT dB/100m (328 ft.) (Minimum)	Return Loss dB (Minimum)
1	2.03	-	570.00	74.3	72.3	68.0	65.0	20.0
4	3.78	-	552.00	65.3	63.3	56.0	53.0	23.0
8	5.32	-	546.73	60.8	58.7	49.9	46.9	24.5
10	5.95	-	545.38	59.3	57.3	48.0	45.0	25.0
16	7.55	-	543.00	56.2	54.2	43.9	40.9	25.0
20	8.47	-	542.05	54.8	52.8	42.0	39.0	25.0
25	9.51	-	541.2	53.3	51.3	40.0	37.0	24.3
31.25	10.67	-	540.44	52.0	49.9	38.1	35.1	23.6
62.5	15.38	-	538.55	47.4	45.4	32.1	29.1	21.5
100	19.80	-	537.60	44.3	42.3	28.0	25.0	20.1
200	28.98	-	536.54	39.8	37.8	22.0	19.0	18.0
250	32.79	-	536.27	38.3	36.3	20.0	17.0	17.3
350	39.79	-	535.92	36.1	34.1	16.9	13.9	16.3
550	51.76	-	535.5	33.2	31.2	13.0	10.0	14.9
600	54.49	-	535.47	32.6	30.6	12.2	9.2	14.7