



HUBBELL  
**NEXTSPEED** Category 6A OSP Cable

Suitable for direct burial, lashed aerial, duct and underground conduit applications

UV resistant jacket

REACH and RoHS compliant

Foil shield to protect against RFI and EMI



**ELECTRICAL CHARACTERISTICS**

- ◆ **Input Impedance:** 100Ω ± 15Ω (1.0-100MHz)  
100Ω ± 20Ω (101-250MHz)  
100Ω ± 25Ω (251-500MHz)
- ◆ **Maximum Resistance Unbalance:** 3%
- ◆ **Voltage Rating :** 300V
- ◆ **Max. Capacitance Unbalance:** 330pF/100m
- ◆ **Max. Delay Skew:** 45ns/100m
- ◆ **Nominal Velocity of Propagation (NVP):** 67%

Hubbell Premise Wiring NEXTSPEED® Category 6A OSP (Outside Plant) cables are designed for outdoor applications, typically utilized in aerial, direct burial, or buried in conduit or duct, where building-to-building interconnections must be made.

**TEMPERATURE RANGE**

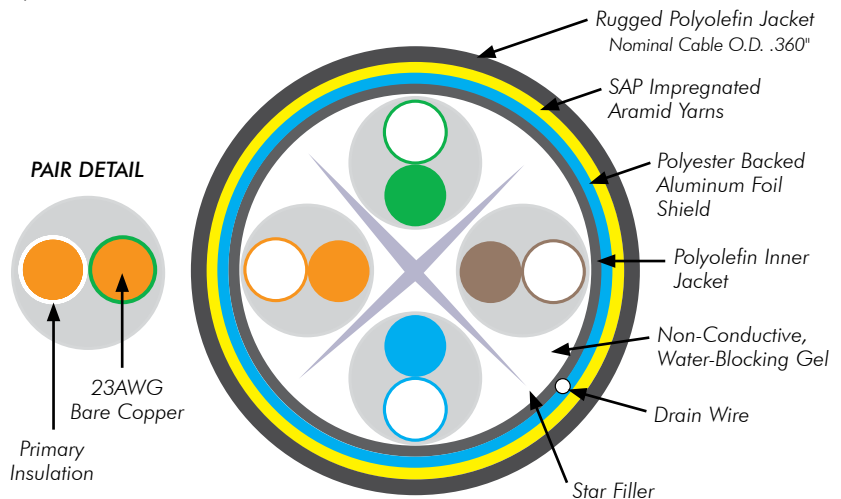
- **Storage Temp:** -40C to +70C (-40F to +158F)
- **Installation Temp:** -20C to +70C (-4F to +158F)
- **Operation Temp:** -40C to +70C (-40F to +158F)

**CABLE FEATURES**

F/UTP Construction

**APPLICATIONS**

- ▲ 10GBASE-T Gigabit Ethernet
- ▲ 1000BASE-T Gigabit Ethernet
- ▲ 1000Mbps ATM
- ▲ 622Mbps ATM
- ▲ 100BASE-T Ethernet
- ▲ Broadband Video





## ORDERING INFORMATION

**NEXTSPEED® Category 6A, OSP Outdoor Cable**Description  
Spool, BlackCatalog No.  
**C6ASOPBK**

## TRANSMISSION SPECIFICATIONS, Worst Case

ANSI/TIA 568-C.2 Category 6A Compliant;  
ISO/IEC 11801, 2nd ed. Class E<sub>a</sub> Compliant

Freq. (MHz)	Insertion Loss (dB/100m)	NEXT (dB/100m)	PSNEXT (dB/100m)	ACR (dB/100m)	PSACR (dB/100m)	ACRF (dB/100m)	PSACRF (dB/100m)	Return Loss (dB/100m)
	Max.	Min.	Min.	Min.	Min.	Min.	Min.	Min.
1	2.1	74.3	72.3	72.2	70.2	67.8	64.8	20
4	3.8	65.3	63.3	61.5	59.5	55.8	52.8	23
8	5.3	60.8	58.8	55.4	53.4	49.7	46.7	24.5
10	5.9	59.3	57.3	53.4	51.4	47.8	44.8	25
16	7.5	56.2	54.2	48.8	46.8	43.7	40.7	25
20	8.4	54.8	52.8	46.4	44.4	41.8	38.8	25
25	9.4	53.3	51.3	44	42	39.8	36.8	24.3
31.25	10.5	51.9	49.9	41.4	39.4	37.9	34.9	23.6
62.5	15	47.4	45.4	32.4	30.4	31.9	28.9	21.5
100	19.1	44.3	42.3	25.2	23.2	27.8	24.8	20.1
155	24.1	41.4	39.4	17.4	15.4	24	21	18.8
200	27.6	39.8	37.8	12.2	10.2	21.8	18.8	18
250	31.1	38.3	36.3	7.3	5.3	19.8	16.8	17.3
300	34.3	37.1	35.1	2.9	0.9	18.3	15.3	16.8
350	37.2	36.1	34.1	–	–	16.9	13.9	16.3
400	40.1	35.3	33.3	–	–	15.8	12.8	15.9
500	45.3	33.8	31.8	–	–	13.8	10.8	15.2

**HUBBELL®**  
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