



HUBBELL
NEXTSPEED Category 6 OSP Cable

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

UV resistant jacket

REACH and RoHS compliant



ELECTRICAL CHARACTERISTICS

- ◆ **Input Impedance:** 100 ± 15 Ω (1.0-100MHz)
100 ± 20 Ω (101-250MHz)
- ◆ **Maximum Resistance Unbalance:** 5%
- ◆ **Voltage Rating :** 300V
- ◆ **Max. Capacitance Unbalance:** 330pF/100m
- ◆ **Max. Delay Skew:** 45ns/100m
- ◆ **Nominal Velocity of Propagation (NVP):** 63%

Hubbell Premise Wiring NEXTSPEED® Category 6 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.

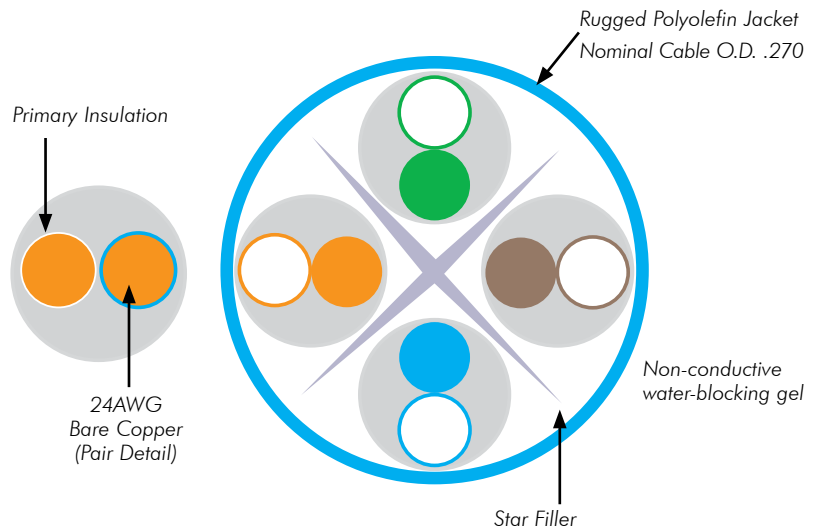
TEMPERATURE RANGE

- **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

APPLICATIONS

- ▲ 10GBASE-T Gigabit Ethernet (limited distance)
- ▲ 1000BASE-T Gigabit Ethernet
- ▲ 1000Mbps ATM
- ▲ 622Mbps ATM
- ▲ 100BASE-T Ethernet
- ▲ Broadband Video



Cable Weight - lb/1000': 34.65



ORDERING INFORMATION



NEXTSPEED® Category 6, OSP Outdoor Cable

Color Spool	Catalog No.
Black	C6SOPBK
Aqua	C6SOPA

RELATED PRODUCTS

NEXTSPEED® Jacks, Category 6

Order Information

Catalog No. **HXJ6xx**

xx = Color:

- BK** (Black), **B** (Blue),
- GY** (Gray), **GN** (Green),
- OW** (Office White),
- OR** (Orange), **R** (Red),
- W** (White)



NEXTSPEED® Patch Panel, Category 6

Order Information

Description Catalog No.

Standard, Black **HP6pp***

Angled, Black **HP6ppA**

*Add **W** to end of Catalog Number for White. Standard only.

pp = Ports

24 = 24-port, 1.75"H

48 = 48-port, 3.50"H



HP648

NEXTSPEED® Patch Cords, Category 6

Order Information

Catalog No. **HC6xyyy**

xx = Color: **BK** (Black), **B** (Blue), **GY** (Gray), **GN** (Green), **OR** (Orange), **P** (Purple) **R** (Red), **W** (White), **Y** (Yellow)

yy = Standard Length: **01** (1'), **03** (3'), **05** (5'), **07** (7'), **10** (10'), **15** (15'), **20** (20'), **25** (25')



HC6B01

TRANSMISSION SPECIFICATIONS, Worst Case

TIA/EIA-568-C.2 Category 6 Compliant;
ISO/IEC 11801, 2nd ed. Class E Compliant

Freq. (MHz)	Ins. 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)	
	Std.	Max.	Std.	Min.	Std.	Min.	Std.	Min.	Std.	Min.	Std.	Min.	Std.	Min.	Std.	Min.
1	2.0	2.0	74.3	74.3	72.3	72.3	72.3	72.3	70.3	70.3	67.8	67.8	64.8	64.8	20.0	20.0
4	3.8	3.8	65.3	65.3	63.3	63.3	61.5	61.5	59.5	59.5	55.8	55.8	52.8	52.8	23.0	23.0
8	5.3	5.3	60.8	60.8	58.8	58.8	55.4	55.4	53.4	53.4	49.7	49.7	46.7	46.7	24.5	24.5
10	6.0	6.0	59.3	59.3	57.3	57.3	53.3	53.3	51.3	51.3	47.8	47.8	44.8	44.8	25.0	25.0
16	7.6	7.6	56.2	56.2	54.2	54.2	48.7	48.7	46.7	46.7	43.7	43.7	40.7	40.7	25.0	25.0
31.25	10.7	10.7	51.9	51.9	49.9	49.9	41.2	41.2	39.2	39.2	37.9	37.9	34.9	34.9	23.6	23.6
62.5	15.4	15.4	47.4	47.4	45.4	45.4	32.0	32.0	30.0	30.0	31.9	21.9	28.9	28.9	21.5	21.5
100	19.8	19.8	44.3	44.3	42.3	42.3	24.5	24.5	22.5	22.5	27.8	27.8	24.8	24.8	20.1	20.1
155	25.2	25.2	41.1	41.1	39.4	39.4	16.3	16.3	14.3	14.3	24.0	24.0	21.0	21.0	18.8	18.8
200	29.0	29.0	39.8	39.8	37.8	37.8	10.8	10.8	8.8	8.8	21.8	21.8	18.8	18.8	18.0	18.0
250	32.8	32.8	38.3	38.3	36.3	36.3	5.5	5.5	3.5	3.5	19.8	19.8	16.8	16.8	17.3	17.3
350*	-	39.8	-	36.1	-	34.1	-	-	-	-	-	16.9	-	13.9	-	16.3
555*	-	52.0	-	33.1	-	31.1	-	-	-	-	-	12.9	-	9.9	-	14.9
660*	-	57.7	-	32.0	-	30.0	-	-	-	-	-	11.4	-	8.4	-	14.4

*Frequencies beyond the TIA and ISO requirements are for information only.



www.hubbell-premise.com

