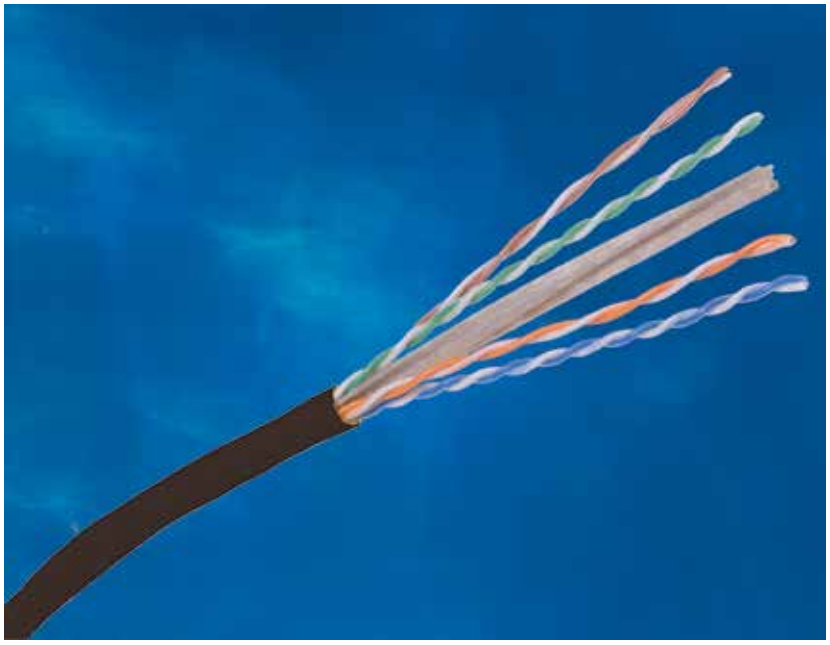
HUBBELL®

HUBBELL NEXTSPEED® Category 6 OSP Cable

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

UV resistant jacket

REACH and RoHS compliant



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.

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%

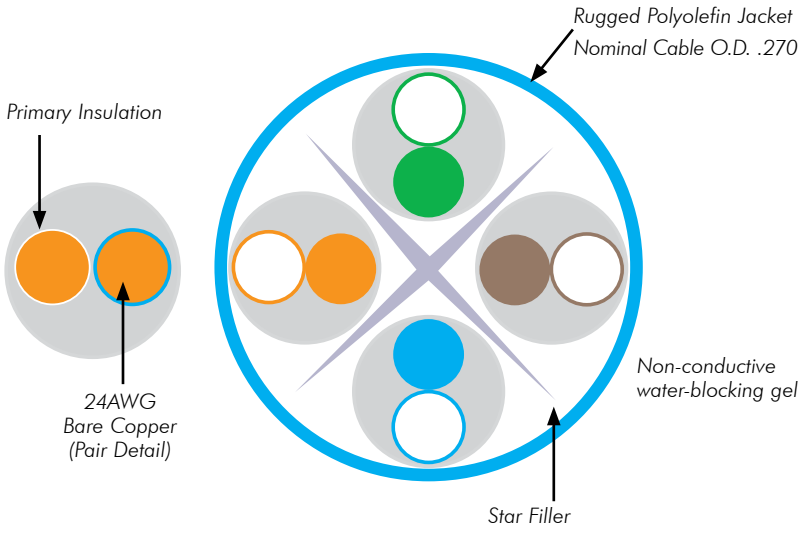
TEMPERATURE RANGE

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

APPLICATIONS

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

CABLE FEATURES



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. **HC6xxyy**

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.*

Printed in U.S.A. Specifications subject to change without notice.
® is a registered trademark of Hubbell Incorporated.