

NEXTSPEED | Copper Cable Overview

Unshielded Solutions

	Cable Type	Flame Rating	Catalog No.	Construction	Delivery (1,000 ft)	Conductor Gauge (AWG)	Sweep Tested to (MHz):	Nominal OD (in)	NVP (%)
Cat 6A	NEXTSPEED® ASCENT Category 6A Reduced Diameter Cable	Plenum	C6ASPDsxx	UTP	Reel in box	23	750	0.250	71
		Riser	C6ASRDSxx	UTP	Reel in box	23	750	0.275	66
Cat 6	NEXTSPEED® Category 6 UTP Cable	Plenum	HC6RPxx	UTP	REELEX box	23	550	0.215	70
		Riser	HC6RRxx	UTP	REELEX box	23	550	0.225	68
	NEXTSPEED® Category 6 LINK UTP Cable	Plenum	HC6RPExx	UTP	REELEX box	23	500	0.19	73
		Riser	HC6RRExx	UTP	REELEX box	23	500	0.20	70
Cat 5e	NEXTPOWER Category 5e Limited Power 4 PPOE Cable	Plenum	C5ELPPxx	UTP	Reel in box	22	350	0.23	74
		Riser	C5ELPRxx	UTP	Reel in box	22	350	0.23	71

Shielded Solutions

Cat 6A	NEXTSPEED® ASCENT Category 6A F/UTP Shielded Cable	Plenum	HC6AFTPSPxx	F/UTP	Reel in box	23	600	0.27	69
		Riser	HC6AFTPSRxx	F/UTP	Reel in box	23	600	0.28	66
Cat 6	NEXTSPEED® Category 6 F/UTP Shielded Cable	Plenum	HC6FTPSPxx	F/UTP	Reel in box	23	500	0.28	71
		Riser	HC6FTPSRxx	F/UTP	Reel in box	23	500	0.29	66

Indoor/Outdoor Plenum Rated Solutions

Cat 6A	NEXTSPEED® Ascent Category 6A I/O CMP Cable	Plenum	C6AIOSPBK	UTP	Spool	23	660	0.31	70
Cat 6	NEXTSPEED® Category 6 I/O CMP Cable	Plenum	C6IOSPBK	UTP	Spool	23	555	0.31	70

Outside Plant Solutions

Cat 6A	NEXTSPEED Ascent Category 6A OSP Cable	N/A	C6ASOPBK	F/UTP	Spool	23	500	0.36	67
Cat 6	NEXTSPEED Category 6 OSP Cable	N/A	C6SOPBK	UTP	Spool	24	250	0.27	63

Note: Other delivery options may be available; contact Customer Service.

Cable Conduit Fill Quick Reference Guide

Conduit Trade Size (in)							
Nominal Cable OD (in)	¾"	1"	1¼"	1½"	2"	3"	4"
0.19	7	11	19	26	43	95	163
0.20	6	11	19	25	42	94	162
0.21	6	10	17	23	38	85	147
0.22	5	9	15	21	35	77	134
0.23	5	8	13	18	30	66	113
0.25	4	7	12	16	27	60	103
0.27	3	6	10	13	22	49	83
0.28	3	5	9	13	21	48	82
0.29	3	5	9	12	20	44	77
0.31	3	4	8	10	17	37	64

Note: Chart designed to be a quick reference guide and not replace full cable fill calculation based on actual size of conduit. Based on 40% initial fill factor.