

FEATURES

- Utilizes less pathway space in customer premise
- Non-conductive barrier provides enhanced alien crosstalk performance and improved thermal dissipation for power delivery applications in bundled configurations
- Fully supports all IEEE 802.3bt PoE classes when installed in accordance with ANSI/TIA-568.2-D Addendum 2: Power Delivery Over Balanced Twisted-Pair Cabling and TIA TSB-184-A, Guidelines for Supporting Power Delivery Over Balanced Twisted-Pair Cabling
- Fully supports IEEE 802.3an 10GBASE-T Ethernet
- ETL Verified Performance
- Eligible for OCC•6500 Guaranteed Headroom Channel Warranty

SPECIFICATIONS

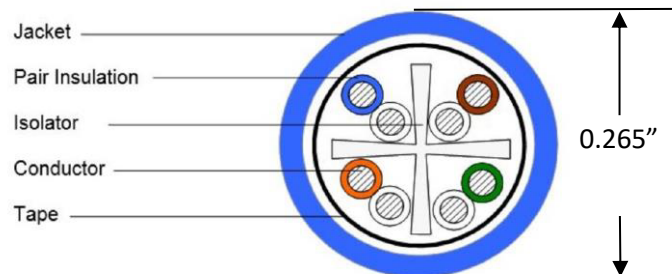
- Construction: Unshielded Twisted-Pair (UTP)
- 0.265" Diameter (CMR and CMP)
- Conductor size: 23AWG solid copper
- Operating Temp: -20C to 75C
- Packaging: Reel
- Length per reel: 1000 Feet

PART NUMBER TABLE

COLOR	PLENUM (CMP)	RISER (CMR)
Yellow	OCC-U6A4SPLM-01	OCC-U6A4SR-01
Black	OCC-U6A4SPLM-02	OCC-U6A4SR-02
Red	OCC-U6A4SPLM-03	OCC-U6A4SR-03
Green	OCC-U6A4SPLM-04	OCC-U6A4SR-04
Blue	OCC-U6A4SPLM-05	OCC-U6A4SR-05
Gray	OCC-U6A4SPLM-06	OCC-U6A4SR-06
White	OCC-U6A4SPLM-07	OCC-U6A4SR-07
Violet	OCC-U6A4SPLM-08	OCC-U6A4SR-08
Orange	OCC-U6A4SPLM-09	OCC-U6A4SR-09



Cross Section Drawing



NEW-SMALLER OD 0.265" VS 0.300" (CMP)

Example: Conduit Fill Comparison

RNC, PVC SCHEDULE 40 TRADE SIZE 4		
40% Fill	0.265" OD	0.300" OD
Cable Qty	91	71

28% more cables

HEADROOM GUARANTEE TABLES

CATEGORY 6A	OCC-C6500 (TYPICAL)	OCC-C6500 (MIN. MARGIN)
Insertion Loss	3%	3%
NEXT	6	4
PSNEXT	8	5
ACR	8	7
PSACR	10	8
ACR-F (ELFEXT)	5	4
PSACR-F (PSELFEXT)	6	5
RL	7	4
PSANEXT	1	0
PSAACR-F	2	2

OCC-C6500 Example: OCC guarantees a minimum of 4dB headroom above the CAT6A standard for Return Loss (RL) values up to 500MHz. Many users of OCC-C6500 typically experience performance of 7dB above the Return Loss values in the standard. CAT6A Standard RL Spec at 500MHz is 6dB. OCC Guarantees RL of 10dB. Many users typically experience 13dB.

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