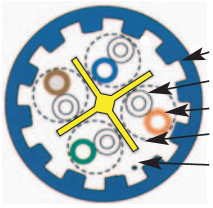
MOHAWK

New Mini Catalog featuring the top cabling options for today's Open Architecture– an easy-to-select concise product guide

Category 6

GigaLAN 10™
Augmented Category 6

4 pair #23 AWG UTP



- Tested to 750 MHz.
- Lifetime warranty.
- Features a "Flex-web" core separator combined with a unique jacket.
- Meets draft TIA/EIA 568-B.2-10 Aug Cat 6, proposed ISO/IEC 11801 ed.2.1 Aug Cat 6 & proposed IEC 61156-5 Aug Cat 6 horizontal cable.

Plenum Jkt OD – .320" (8.13mm)

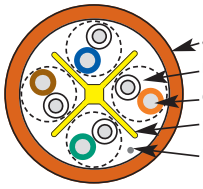
M58647 – White **M58648** – Yellow
M58646 – Blue **M58649** – Gray

Non-Plenum Jkt OD – .320" (8.13mm)

M58651 – White **M58652** – Yellow
M58650 – Blue **M58653** – Gray

GigaLAN™
Category 6e+

4 pair #23 AWG UTP



- Tested to 750 MHz with verified stability.
- Lifetime warranty.
- Features a "Flex-web" core separator
- Exceeds TIA/EIA 568-B.2 Cat 6 & ISO/IEC 11808:2002 Category 6 horizontal cable.
- ETL verified to TIA/EIA 568-B.2-1 Category 6.

Plenum Jkt OD – .244" (6.20mm)

M57413 – White **M57415** – Yellow
M57414 – Blue **M57417** – Gray

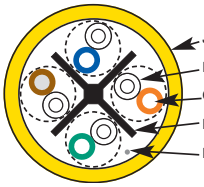
Non-Plenum Jkt OD – .247" (6.27mm)

M57418 – White **M57420** – Yellow
M57419 – Blue **M57422** – Gray

Also Available as Limited Combustible Cable

AdvanceNet™
Category 6e

4 pair #23 AWG UTP



- Tested to 650 MHz.
- 25 year warranty.
- Features a "Flex-web" core separator.
- Exceeds TIA/EIA 568-B.2 Cat 6 & ISO/IEC 11808:2002 Category 6 horizontal cable.
- ETL verified to TIA/EIA 568-B.2-1 Category 6

Plenum Jkt OD – .215" (5.46mm)

M56905 – White **M57195** – Yellow
M57193 – Blue **M57196** – Gray

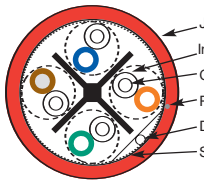
Non-Plenum Jkt OD – .225" (5.72mm)

M56889 – White **M57204** – Yellow
M57202 – Blue **M57205** – Gray

Also Available as Limited Combustible Cable

AdvanceNet™ SCTP Category 6e

4 pair #24 AWG UTP



- Tested to 650 MHz.
- 25 year warranty.
- Features a "Flex-web" core separator.
- In a screened twisted ScTP or FTP pair design
- Exceeds TIA/EIA 568-B.2 Cat 6 & ISO/IEC 11808:2002 Category 6 horizontal cable.
- ETL verified to TIA/EIA 568-B.2-1 Category 6

Plenum Jkt OD – .251" (6.38mm)

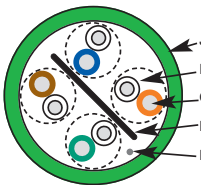
M58175 – White **M58178** – Yellow
M58176 – Blue **M58179** – Gray

Non-Plenum Jkt OD – .269" (6.83mm)

M58155 – White **M58158** – Yellow
M58156 – Blue **M58159** – Gray

6 LAN™
Category 6

4 pair #24 AWG UTP



- Tested to 550 MHz.
- 20 year warranty.
- Features a core separator.
- Exceeds TIA/EIA 568-B.2 Cat 6 & ISO/IEC 11808:2002 Category 6 horizontal cable.
- ETL verified to TIA/EIA 568-B.2-1 Category 6

Plenum Jkt OD – .208" (5.28mm)

M58280 – White **M58283** – Yellow
M58281 – Blue **M58285** – Gray

Non-Plenum Jkt OD – .216" (5.49mm)

M58291 – White **M58294** – Yellow
M58292 – Blue **M58295** – Gray

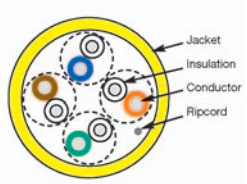
Note: All cables have lead-free jackets and are available in additional jacket colors – Please visit our website, view our master catalog or call us at 1-800-422-9961

Cabling Excellence for Open Architecture

Category 5e

MegaLAN™ Category 5E+

4 pair #24 AWG UTP



- Tested to 400 MHz.
- MegaLAN is ETL Verified to Catgory 5e.
- 20 Year Warranty.
- Exceeds TIA/EIA 568-B.2 CAT 5e & ISO/IEC 11801 Cat 5e horizontal cable.

Plenum Jkt OD – .190" (4.83mm)

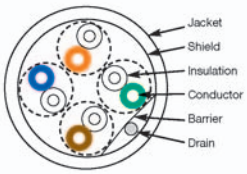
M55988 – White **M56093** – Yellow
M56168 – Blue **M56882** – Gray

Non-Plenum Jkt OD – .173" (4.39mm)

M55989 – White **M56095** – Yellow
M56167 – Blue **M56746** – Gray

MegaLAN™ ScTP Category 5E+

4 pair #24 AWG ScTP



- Tested to 400 MHz.
- Category 5E+ cable in a screened twisted pair (ScTP or FTP) design, consisting of an overall tape/drain shield.
- 20 Year Warranty.
- Exceeds TIA/EIA 568-B.2 Cat 5e & ISO/IEC 11801:2002 Cat 5 horizontal cable.

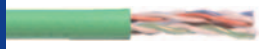
Plenum Jkt OD – .233" (5.92mm)

M55986 – White **M57361** – Yellow
M57360 – Blue **M57362** – Gray

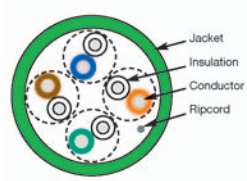
Non-Plenum Jkt OD – .254" (6.45mm)

M55987 – White **M57372** – Yellow
M57370 – Blue **M57373** – Gray

5e LAN™ Category 5e



4 pair #24 AWG UTP



- Tested to 200 MHz.
- 15 Year Warranty.
- ETL verified to Category 5e.
- Exceeds TIA/EIA 568-B.2 Cat 5e horizontal cable.

Plenum Jkt OD – .180" (4.57mm)

M57547 – White **M57550** – Yellow
M57546 – Blue **M57545** – Gray

Non-Plenum Jkt OD – .173" (4.39mm)

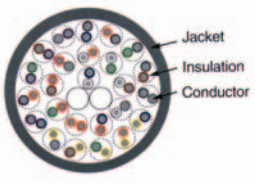
M57554 – White **M57556** – Yellow
M57553 – Blue **M57552** – Gray

Note: All cables have lead-free jackets and are available in additional jacket colors – Please visit our website, view our master catalog or call us at 1-800-422-9961

High Pair Count

Plenum Category 5e & 3

25 & 50 Pair #24 AWG



- 5e meets TIA/EIA 568-B.2 Cat 5e backbone cable.
- Cat 3 is power sum tested.
- Passes NFPA 262/UL 910 (Steiner Tunnel) test.
- Gray ThermoPlen Jacket.

Category 5e UTP & ScTP

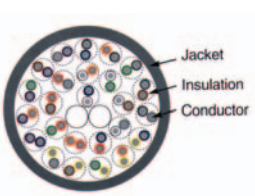
M58142 – 25 pr UTP – Jkt OD .430" (10.92mm)
M58521 – 25 pr ScTP – Jkt OD .472" (11.99mm)

Category 3 UTP & ScTP

M56801 – 25 pr UTP – Jkt OD .389" (9.88mm)
M56128 – 100 pr UTP – Jkt OD .786" (19.96mm)
M55073 – 25 pr ScTP – Jkt OD .346" (8.79mm)

Non-Plenum Category 5e & 3

25, 50 & 100 Pair #24 AWG



- 5e meets TIA/EIA 568-B.2 Cat 5e backbone cable.
- Cat 3 is power sum tested.
- Passes UL 1666 Riser Cable Flammability test.
- Gray PVC Jacket.

Category 5e UTP & ScTP

M58141 – 25 pr UTP – Jkt OD .470" (11.94mm)
M58522 – 50 pr UTP – Jkt OD .750" (19.05mm)
M58520 – 25 pr ScTP – Jkt OD .522" (13.26mm)

Category 3 UTP & ScTP

M55700 – 25 pr UTP – Jkt OD .364" (9.25mm)
M55211 – 100 pr UTP – Jkt OD .707" (17.96mm)
M55704 – 25 pr ScTP – Jkt OD .394" (10.01mm)

Outside Plant

AdvanceNET™ Category 6

4 Pair #24 AWG

- Tested to 650 MHz.
- Features a "Flex-web" core separator.
- Exceeds TIA/EIA 568-B.2 Cat 6 ISO/IEC 11801:2002 Cat 6 horizontal cable.
- Features a craft friendly semi-dry flooding material that easily cleans from the cable core.

Duct/Aerial Lashed

M57622 – Jacket OD .271" (6.88mm)

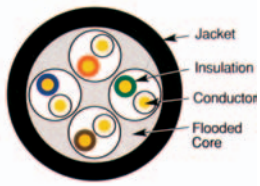
Direct Burial (shielded)

M57623 – Jacket OD .460" (11.68mm)

Jackets are black UV resistant polyethylene

MegaLAN™ Category 5E+

4 Pair #24 AWG



- Tested to 400 MHz.
- Exceeds TIA/EIA 568-B.2 Cat 5e & ISO/IEC 11801 category 5 horizontal cable.
- Features a craft friendly semi-dry flooding material that easily cleans from the cable core.

Duct/Aerial Lashed

M57561 – Jacket OD .251" (6.38mm)

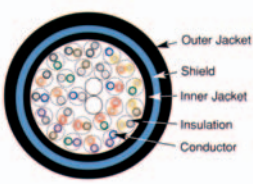
Direct Burial (shielded)

M57562 – Jacket OD .420" (10.67mm)

Jackets are black UV resistant polyethylene

5e LAN™ Category 5e

25 Pair #24 AWG



- TIA/EIA 568-B.2 Cat 5e backbone cable, meeting power sum NEXT, ANSI/ICEA S-99-689-1977.
- Features a craft friendly semi-dry flooding material that easily cleans from the cable core.

Direct Burial (shielded)

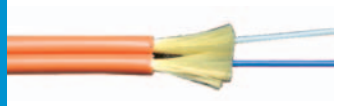
M58527 – Jacket OD .730" (18.54mm)

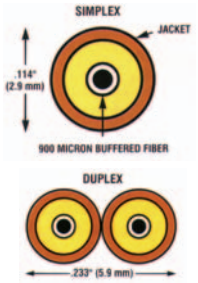
Jackets are black UV resistant polyethylene with coated corrugated aluminum tape shield

Fiber

Simplex & Duplex

UL Type OFNR /cUL OFN FT4
UL Type OFNP /cUL OFN FT6





- Patch cables.
- Short run office cabling.
- Computer room cabling.
- Other sizes available.

Riser - 2.9 mm diameter

Part No.	Type	Fiber Count
M9X001	Simplex	1
M9X002	Duplex	2

Plenum - 2.9 mm diameter

Part No.	Type	Fiber Count
M9X003	Simplex	1
M9X004	Duplex	2

Distribution

Riser UL/cUL
Type OFNR / OFN FT4

Plenum UL/cUL
Type OFNR / OFN FT6

- 900 μm tight buffered fibers.
- Riser or Plenum.
- Color Coded for easy termination.
- Flame Retardant.
- UL listed for code compliance.
- MSHA approved cables are available.

**Single jacket version*

Riser

Part Number	Fiber Count	Outside Diameter
M9X039	6	.220" (5.59mm)
M9X042	12	.255" (6.48mm)
M9X602	24	.496" (12.6mm)

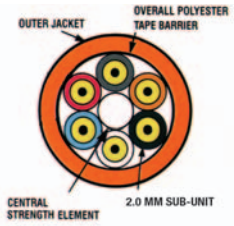
Plenum

M9X045	6	.190" (4.83mm)
M9X048	12	.225" (5.72mm)
M9X611*	24	.330" (8.38mm)

Breakout

Riser UL/cUL
Type OFNR / OFN FT4

Plenum UL/cUL
Type OFNP / OFT FT6



- 900 μm tight buffered fibers.
- Riser or Plenum
- Color coded for easy termination.
- Flame Retardant.
- UL listed for code compliance.
- Direct connectorization.
- MSHA approved cables are available.
- 2.5 mm sub-units available.

Riser

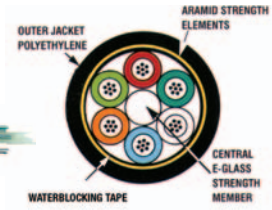
Part Number	Fiber Count	Outside Diameter
M9X006	4	.321" (8.15mm)
M9X007	6	.358" (9.09mm)
M9X010	12	.514" (13.06mm)

Plenum

M9X014	4	.263" (6.68mm)
M9X015	6	.309" (7.85mm)
M9X018	12	.391" (9.93mm)

Loose Tube

Outdoor



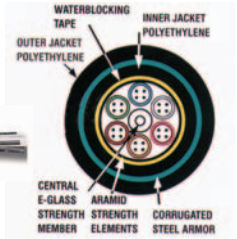
- All dielectric central strength member.
- Excellent attenuation performance.
- Dry water blocking for moisture protection.
- Polyethylene jacket for weather and UV protection.
- Breakout kits available.
- Waterblock gel available.

Part Number	Fiber Count	Fibers Per Tube	Outside Diameter
M9X510T	6	6	.380" (9.65mm)
M9X511T	12	6	.380" (9.65mm)
M9X500T	24	6	.380" (9.65mm)

Loose Tube

Outdoor Direct Burial

Armored

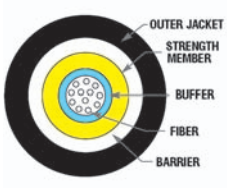


- Excellent attenuation performance.
- Dry water blocking for moisture protection.
- Polyethylene jacket for weather and UV protection.
- Corrugated Steel Tape.
- Rodent resistant.
- Breakout kits available.
- Waterblock gel available.

Part Number	Fiber Count	Fibers Per Tube	Outside Diameter
M9X381T	6	6	.530" (13.46mm)
M9X382T	12	6	.530" (13.46mm)
M9X384T	24	6	.530" (13.46mm)

Central Tube

Outside Plant



- Economical option for low fiber counts.
- Quick and easy end preparation.
- Fully waterblocked.
- No rods – easy handling.

Part Number	Fiber Count	Outside Diameter
M9X152	6	.325" (8.26mm)
M9X155	12	.325" (8.26mm)

For "X" in part number see optical characteristics on back cover.

Fiber

RiserLite™
Indoor / Outdoor
UL/cUL Type OFNR / OFN FT4

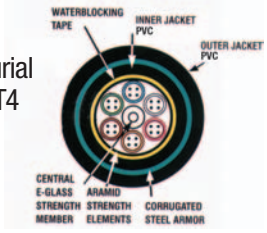
Loose Tube

- No splicing required at building entrance.
- Available with zero-halogen jacket.
- Breakout kits available.
- Fully waterblocked.

Part Number	Fiber Count	Fibers Per Tube	Outside Diameter
M9X810	6	6	.380" (9.65mm)
M9X811	12	6	.380" (9.65mm)
M9X812	24	6	.380" (9.65mm)

RiserLite™
Indoor / Outdoor Direct Burial
UL/cUL Type OFNR / OFN FT4

Armored Loose Tube



- No splicing required at building entrance.
- Available with zero-halogen jacket.
- Breakout kits available.
- Fully waterblocked.

Part Number	Fiber Count	Fibers Per Tube	Outside Diameter
M9X890	6	6	.540" (13.72mm)
M9X891	12	6	.540" (13.72mm)
M9X892	24	6	.540" (13.72mm)

Versalite™
Plenum UL/cUL
Type OFNP / OFN FT6

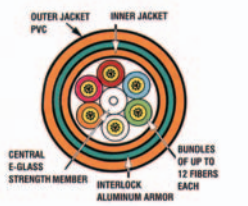
Indoor / Outdoor

- 2 to 144 fiber.
- Small diameter and bend radius facilitate installation in tight spaces.
- Fibers and subunits are color-coded for ease of identification.
- All dielectric construction eliminates the need for grounding.
- Fibers grouped into sets of 12 for maximum density.

Part Number	Fiber Count	Fibers Per Tube	Outside Diameter
M9X202	6	6	.265" (6.7mm)
M9X204	12	12	.265" (6.7mm)
M9X205	24	12	.359" (9.12mm)

ArmorLite™
Plenum UL/cUL
Type OFCP / OFC FT6

Heavy Duty Interlock Armored



- Excellent mechanical protection.
- Heavy duty construction.
- Eliminates need for innerduct.
- Versions available for outside plant.
- Colored armor available.

Part Number	Fiber Count	Outside Diameter
M9X240	6	.471" (12.0mm)
M9X241	12	.506" (12.9mm)
M9X242	24	.631" (16.0mm)

For "X" in part number see optical characteristics below. *Optical fibers supplied by Corning and OFS.*

plus CORNING Optical Fiber

ofs Leading Optical Innovations

Jacket Colors

For outside plant cables, the standard jacket color is black. This includes loose tube, RiserLite™ and VersaLite™ cables.
For tight buffered cables, excluding simplex and duplex, the following is the standard jacket color code:

Grades 2, 3, 4 — Orange **Grades 5, 6** — Aqua **Grade SM2** — Yellow *Non-standard jacket colors are available.*

Optical Characteristics

Grade	2	3	4	5	6	SM2
Glass Type	62.5/125 MM AdvanceLite	62.5/125 MM AdvanceLite	50/125 MM AdvanceLite	50/125 MM AdvanceLite	50/125 MM AdvanceLite	Single-Mode Enhanced[7]
Part Number Code (X)	B	D	A	C	E	W
Operating Wavelength (nm)	850/1300	850/1300	850/1300	850/1300	850/1300	1310/1550
Min. OFL[1] Bandwidth (MHz-km)	200/500	200/500	500/500	1500/500	3000/500	—
Min. Laser[2] Bandwidth (MHz-km)	220/500	385/500	510/500	2000/500	4000/500	—
Max. Attenuation Loose Tube (dB/km)	3.25/1.0	3.25/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.40/0.30
Max. Attenuation Tight Buffered[3] (dB/km)	3.50/1.25	3.50/1.25	3.50/1.25	3.50/1.25	3.50/1.25	0.80/0.50
1 Gigabit Ethernet Min. Link Length (meters S/L[4])	300/550	500/1000	600/600	1000[6]/600	1000[6]/600	— /5000
10 Gigabit Ethernet Min. Link Length (meters S/L[4])	33/300	33/300	82/300	300/300	500/300	— /10,000

[1] *OFL – Overfilled Launch*
[2] *Effective Modal Bandwidth, determined by RML or DMD performance specifications*
[3] *Max. Attenuation for Tight Buffered, Ribbon, Micro-Loose Tube Cables & Versalite*
[4] *S/L – Short wavelength (850 nm) / Long wavelength (1310 nm)*
[6] *2000 meters for engineered links*
[7] *Low water peak Single-Mode suitable for CWDM use complies with ITU G.652.c/d*

MOHAWK
Cabling Excellence for Open Architecture

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