



*The Premier Manufacturer
of Wire and Cable Products*

**PRODUCT
CATALOG**





I have been fortunate to have assembled some of the greatest talent in the Wire and Cable business today. This team is a combination of Industry veterans from the Electrical, Security, and Voice and Data industry. Our people make the difference.

A blend of eager new sales people, and experienced respected leaders makes up our inside team. It's really about the quality of people, keeping them motivated, and being accountable to the company for their actions and decisions.

I am proud to be a part of this team. Our team is committed to "The Journey to be better". Everyday we are striving to be a better supplier to our customers. The best is yet to come.

Thank you for your business, loyalty and support. We will do what we say we are going to do, with honesty and integrity. We value you as a customer and appreciate you.

All the Best,

Fred Rescigno, Jr
President & CEO

Mission Statement

To provide highest quality product, fast delivery with same day service, with the best, most knowledgeable and experienced sales people in the industry.

Get to Know Us!

Commodity Cables is a privately-owned family company, that prides itself on the good old-fashioned values of putting the customers first and providing complete customer service satisfaction.

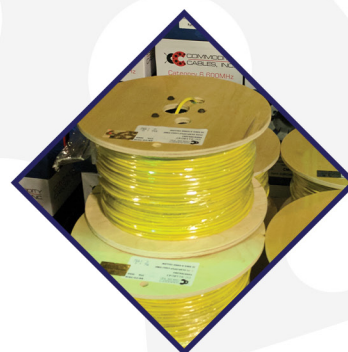
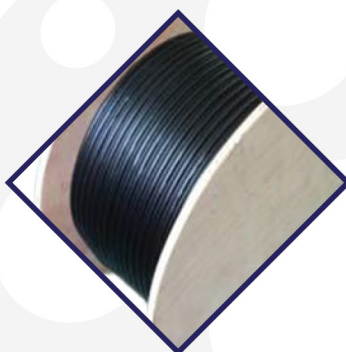
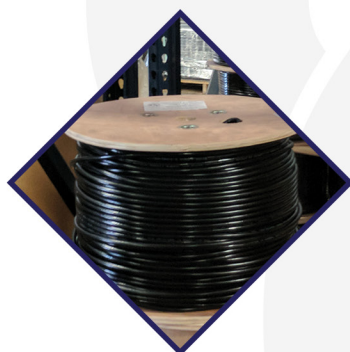
Since evolving from a manufacturer representative company in 2001, Commodity Cables originally began private labeling product for domestic manufacturers, concentrating on price sensitive commodity items that USA manufacturers could no longer be competitive with. We continue to invest in our suppliers, purchasing equipment, and manufacturing our own products.

DESCRIPTION	PART NO.	PKG	JACKET COLOR
Indoor Riser			
Cat 5E, UTP, PVC, CMR, 350MHz, 24awg/4pr	5ECMR244	B	O W G B R V O R P P I Y
Cat 5E, FTP, Shielded, PVC, CMR, 350MHz, 24awg/4pr	5ESHDCMR	B	O W G B R V O R P P I Y
Cat 6, UTP, PVC, CMR, 600MHz, 23awg/4pr	6CMR234	B	O W G B R V O R P P I Y
Cat 6, FTP, Shielded, PVC, CMR, 550MHz, 23awg/4pr	6SHDCMR	R	O W G B R V O R P P I Y
Cat 6A, FTP, Shielded, PVC, CMR, 10G, 23awg/4pr	6ASHDCMR	B	O W
Cat 6A, UTP, PVC, CMR, 10G, 23awg/4pr	6ACMR234	R	R Y O G W

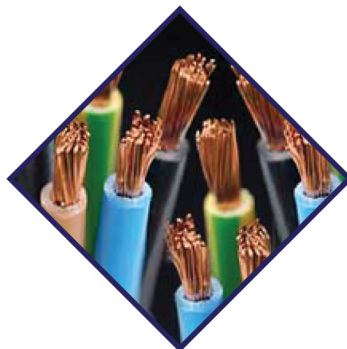
Plenum			
Cat 5E, UTP, PVC, CMP, 100MHz, 24awg/25pr	5ECMP2425	R	O
Cat 5E, UTP, Plenum, 350MHz, 24awg/4pr	5ECMP244	B	O W G B R V O R P P I Y
Cat 5E, FTP, Shielded, Plenum, 350MHz, 24awg/4pr	5ESHDCMP	B	O W G B R V O R P P I Y
Cat 6, UTP, Plenum, 600MHz, 23awg/4pr	6CMP234	B	O W G B R V O R P P I Y
Cat 6, FTP, Shielded, Plenum, 550MHz, 23awg/4pr	6SHDCMP	R	O W G B R V O R P P I Y
Cat 6A, UTP, Plenum, 10G, 23awg/4pr	6ACMP234	R	O W
Cat 6A, FTP, Shielded, Plenum, 10G, 23awg/4pr	6ASHDCMP	R	O W

Outdoor Cable			
Cat 5E, Direct Burial, UTP, PE, 350MHz, 24awg/4pr	5EOUT244	R	B
Cat 5E, Direct Burial, Gel Filled, UTP, PE, 350MHz, 24awg/4pr	5EOUTG244	R	B
Cat 5E, Direct Burial, WaterBlock Tape, UTP, PE, 350MHz, 24awg/4pr	5EOUTW244	R	B
Cat 5E, Direct Burial, Shielded, Gel Filled, FTP, PE, 350MHz, 24awg/4pr	5EOUTGSHD	R	B
Cat 5E, Direct Burial, Shielded, WaterBlock Tape, FTP, PE, 350MHz, 24awg/4pr	5EOUTWSHD	R	B
Cat 6, Direct Burial, UV Rated, UTP, PE, 550MHz, 23awg/4pr	6OUT234	R	B
Cat 6, Direct Burial, Gel Filled, UV Rated, UTP, PE, 550MHz, 23awg/4pr	6OUTG234	R	B
Cat 6, Direct Burial, WaterBlock Tape, UV Rated, UTP, PE, 550MHz, 23awg/4pr	6OUTW234	R	B
Cat 6, Direct Burial, Shielded, Gel Filled, UV Rated, FTP, PE, 550MHz, 23awg/4pr	6OUTGSHD	R	B
Cat 6, Direct Burial, Shielded, WaterBlock Tape, UV Rated, FTP, PE, 550MHz, 23awg/4pr	6OUTWSHD	R	B
Cat 6A, Direct Burial, Gel Filled, UV Rated, UTP, PE, 10G, 23awg/4pr	6AOUTG234	R	B
Cat 6A, Direct Burial, Shielded, Gel Filled, UV Rated, FTP, PE, 10G, 23awg/4pr	6AOUTGSHD	R	B
RG6, Direct Burial, Dual Shield, WaterBlock Tape, UV Rated, 3GHz, 18awg, CCS, 60% AL Braid, CATV	6OUTWCCS	R	B
RG6, Direct Burial, Quad Shield, UV Rated, 3GHz, 18awg, CCS, CATV	6OUTQCCS	R	B
RG6, Direct Burial, Quad Shield, WaterBlock Tape, UV Rated, 3GHz, 18awg, CCS, CATV	6OUTQWCCS	R	B
RG11, Direct Burial, Dual Shield, WaterBlock Tape, UV Rated, 3GHz, 14awg, CCS, 60% AL Braid, CATV	11OUTWCCS	R	B

COAX RG6/U			
RG6, PVC, Dual Shield, 3GHz, 18awg, CCS, 60% AL Braid, CMR/CATV	6CCSCMR	R SB	W B
RG6, PVC, Dual Shield, 3GHz, 18awg, SBC, 95% Copper Braid, CMR/CCTV	6SCCMR95	R	B
RG6, PVC, Quad Shield, 3GHz, 18awg, CCS, CMR/CATV	6QCCSCMRRB	R SB	W B
RG6, PVC, Quad Shield, Dual Siamese, 3GHz, 18awg, CCS, CMR/CATV	6QDCCSCMR	R	B
RG6, Plenum, Dual Shield, 3GHz, 18awg, CCS, 60% 40% AL Braid, CMP/CATVP	6CCSCMP	R	W B
RG6, Plenum, Quad Shield, 3GHz, 18awg, CCS, CMP/CATVP	6QCCSCMP	R	W B



DESCRIPTION	PART NO.	PKG	JACKET COLOR
COAX RG 11			
RG11, PVC, Dual Shield, 3GHz, 14awg, CCS, 60% AL Braid, CMR/CATV	11CCSCMR	R	B
RG11, Plenum, Dual Shield, 3GHz, 14awg, CCS, 60% AL Braid, CMR/CATV	11CCSCMP	R	W
RG11, PVC, Quad Shield, 3GHz, 14awg, CCS, 60% AL Braid, CMR/CATV	11QCCSCMR	R	B
RG11, Plenum, Quad Shield, 3GHz, 14awg, CCS, 60% AL Braid, CMP/CATV	11QCCSCMP	R	W
Siamese Cables			
RG59+18awg/2c, PVC, 1GHz, 20awg, SBC, 95% Copper Braid, CMR/CCTV	59182CMR	SB	W B
RG59+18awg/2c, Plenum, 1GHz, 20awg, SBC, 95% Copper Braid, CMP/CCTV	59182CMP	R	W
RG6/U, 18awg/2c, 1GHz, SC, 95% Copper Braid, CMR/CCTVR	6182SCCMRRB	R	B
Access Control, Audio, Control and Security Cable			
18/4C + 22/3PR SHLD + 22/2C + 22/4C CMP 1000FT YELLOW REEL	ACCCM-P184223RY	R	Y
18/4C SHLD + 22/3PR SHLD + 22/2C SHLD + 22/4C SHLD CMP 1000FT YELLOW REEL	ACCSHDCM-P184223RY	R	Y
22awg/2c, 7 Strand, Unshielded, CMR/CL2R/FPLR	2202UCMR	SB	G
22awg/2c, 7 Strand, Unshielded, CMP/CL2P/FPLP	2202UCMP	B	W
22awg/2c, 7 Strand, Shielded, CMR/CL2R/FPLR	2202SCMR	B	G
22awg/2c, 7 Strand, Shielded, CMP/CL2P/FPLP	2202SCMP	B	W
22awg/4c, 7 Strand, Unshielded, CMR/CL2R/FPLR	2204UCMR	B	G
22awg/4c, 7 Strand, Unshielded, CMP/CL2P/FPLP	2204UCMP	B	W
22awg/4c, 7 Strand, Shielded, CMP/CL2P/FPLP	2204SCMP	B	W
22awg/6c, 7 Strand, Unshielded, CMR/CL2R/FPLR	2206SCMR	B	G
22awg/2pr IS/OS 7 Strand CMP/CL2P/FPLP	222PRISOA	B	W
18awg/2c, 7 Strand, Unshielded, CMR/CL2R/FPLR	1802UCMR	B	G
18awg/2c, 7 Strand, Shielded, CMR/CL2R/FPLR	1802SCMR	B	G
18awg/2c, 7 Strand, Unshielded, CMP/CL2P/FPLP	1802UCMP	B	W Y
18awg/2c, 7 Strand, Shielded, CMP/CL2P/FPLP	1802SCMP	B	W
18awg/3c, 7 Strand, Unshielded, CMP/CL2P/FPLP	1803UCMP	R	W G
18awg/3c, 7 strand, Shielded, CMP/CL2P/FPLP	1803SCMP	R	W G
18awg/4c, 7 Strand, Unshielded, CMR/CL2R/FPLR	1804UCMR	R	G
18awg/4c, 7 Strand, Unshielded, CMP/CL2P/FPLP	1804UCMP	R	G Y W
18awg/4c, 7 Strand, Shielded, CMP/CL2P/FPLP	1804SCMP	R	G W
18awg/6c, 7 Strand, Shielded, CMP/CL2P/FPLP	1806SCMP	R	W Y
16awg/2c, 19 Strand, Unshielded, CMR/CL2R/FPLR	1602UCMR	R	W
16awg/2c, 19 Strand, Unshielded, CMP/CL2P/FPLP	1602UCMP	R	W
16awg/2c, 19 Strand, Shielded, CMP/CL2P/FPLP	1602SCMP	R	R G
16awg/4c, 65 Strand, Unshielded, CMR/CL2R/FPLR	1604UCMR	SB5	W
14awg/2c, 19 Strand, Unshielded, CMR/CL2R/FPLR	1402UCMR	R	W
14awg/2c, 19 Strand, Unshielded, CMR/CL2R/FPLR	1402UCMP	SB5,B,R	W



DESCRIPTION	PART NO.	PKG	JACKET COLOR
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Security			
22awg/4c, Solid, CM/CL2	SEC224	Coil Pack	O W Y G
22awg/2c, Solid, CMR/CL2R	SEC222	B	W
22awg/4c, Solid, CMR/CL2R	SEC224	B	W
22awg/2c, 7 Strand, CM/CL2	SEC222STR	C5	W
22awg/4c, 7 Strand, CM/CL2	SEC224STR	C5	W

Speaker			
16awg/2c, 65 Strand, CMR/CL2R	SPK162	R	R
16awg/4c, 65 Strand CMR/CL2R	SPK164	B5	P
14awg/2c, 105 Strand, CMR/CL2R	SPK142	R	W
14awg/4c, 41 Strand CMR/CL2R	SPK144	B5	Y

Fire Alarm			
18/2 Solid FPLP	FPLP182URR	R	R
16/2 Solid FPLP	FPLP162URR	R	R
14/2 Solid FPLP	FPLP142URR	R	R
18/2 Solid SHLD FPLP	FPLP182SRR	R	R
16/2 Solid SHLD FPLP	FPLP162SRR	R	R

Abbreviation Key

THERMOSTAT	DESCRIPTION
182TSTATS5BBR/2M	18/2 Thermostat Wire, Brown 500FT Plastic Reel, 4 Reels/Carton
182TSTATS5BN/2M	18/2 Thermostat Wire, Brown 500FT Plastic Reel, 4 Reels/Carton
183TSTATS5BN/2M	18/3 Thermostat Wire, Brown 500FT Plastic Reel, 4 Reels/Carton
183TSTATS5BW/2M	18/3 Thermostat Wire, White 500FT Plastic Reel, 4 Reels/Carton
184TSTATS5BN/2M	18/4 Thermostat Wire, Brown 500FT Plastic Reel, 4 Reels/Carton
185TSTATS250BN/1M	18/5 Thermostat Wire, Brown 250FT Plastic Reel, 4 Reels/Carton
186TSTATS250BN/1M	18/6 Thermostat Wire, Brown 250FT Plastic Reel, 4 Reels/Carton
188TSTATS250BN/1M	18/8 Thermostat Wire, Brown 250FT Plastic Reel, 4 Reels/Carton
202TSTATS5BN/2M	20/2 Thermostat Wire, Brown 500FT Plastic Reel, 4 Reels/Carton

PUT-UPS

CODE	DEFINITION
R	1000' Reel
B	1000' Pull Box
SB	1000' Spool In Box
B5	500' Spool In Box
SB5	500' Spool In Box
C5	500' Coil

JACKET COLORS

CODE	DEFINITION
B	Black
W	White
G	Gray
O	Blue
Y	Yellow
V	Green
R	Red
P	Purple
OR	Orange
PI	Pink
BN	Brown

DESCRIPTION	PART NO.	PKG	JACKET COLOR
Keystone Jack			
Cat 3 Unshielded 110 Type Keystone Jack	3110*	50	I W
Cat 5e Unshielded 110 Type Keystone Jack	5110*	50	I B O V G O R R W Y ALM
Cat 6 Unshielded 110 Type Keystone Jack	6110*	50	I B O V G O R R W Y ALM
Cat 6A Unshielded 110 Type Keystone Jack	6A110*	50	I B O V G O R R W Y ALM

Patch Panel			
Cat 5e Mini 12 Port Patch Panel	5PP12MINI	1	BLK
Cat 5e 12 Port Patch Panel Rack Mount	5PP12RM	1	BLK
Cat 5e 24 Port Patch Panel	5PP24	1	BLK
Cat 5e 48 Port Patch Panel	5PP48	1	BLK
Cat 5e 96 Port Patch Panel	5PP96	1	BLK
Cat 6 Mini 12 Port Patch Panel Rack Mount	6PP12MINI	1	BLK
Cat 6 24 Port Patch Panel	6PP24	1	BLK
Cat 6 48 Port Patch Panel	6PP48	1	BLK
Cat 6 96 Port Patch Panel	6PP96	1	BLK

Wall Plate			
1 Port Keystone Wall Plate	WP1**	25	ALM, IV, WHT
2 Port Keystone Wall Plate	WP2**	25	ALM, IV, WHT
3 Port Keystone Wall Plate	WP3**	15	ALM, IV, WHT
4 Port Keystone Wall Plate	WP4**	15	ALM, IV, WHT
6 Port Keystone Wall Plate	WP6**	10	ALM, IV, WHT

Patch Cable			
Cat 5e UTP 568B Molded 1Ft Patch Cable	PAT5XXX01	10	BLU BLK GRY WHT
Cat 5e UTP 568B Molded 2Ft Patch Cable	PAT5XXX02	10	BLU BLK GRY WHT
Cat 5e UTP 568B Molded 3Ft Patch Cable	PAT5XXX03	10	BLU BLK GRY WHT
Cat 5e UTP 568B Molded 4Ft Patch Cable	PAT5XXX04	10	BLU BLK GRY WHT
Cat 5e UTP 568B Molded 5Ft Patch Cable	PAT5XXX05	10	BLU BLK GRY WHT
Cat 5e UTP 568B Molded 6Ft Patch Cable	PAT5XXX06	10	BLU BLK GRY WHT
Cat 5e UTP 568B Molded 7Ft Patch Cable	PAT5XXX07	10	BLU BLK GRY WHT
Cat 5e UTP 568B Molded 9Ft Patch Cable	PAT5XXX09	10	BLU BLK GRY WHT
Cat 5e UTP 568B Molded 10Ft Patch Cable	PAT5XXX10	10	BLU BLK GRY WHT
Cat 5e UTP 568B Molded 12Ft Patch Cable	PAT5XXX12	10	BLU BLK GRY WHT
Cat 5e UTP 568B Molded 15Ft Patch Cable	PAT5XXX15	1	BLU BLK GRY WHT

NOTE: "*" denotes color

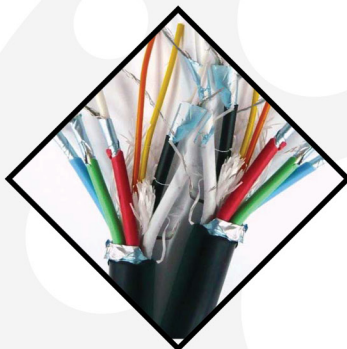
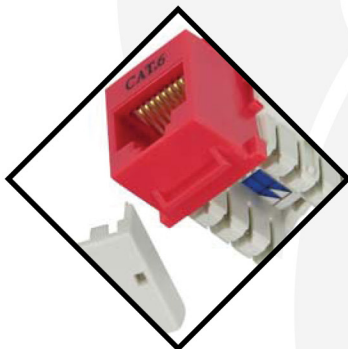


DESCRIPTION	PART NO.	PKG	JACKET COLOR
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Patch Cable			
Cat 5e UTP 568B Molded 20Ft Patch Cable	PAT5XXX20	1	BLU BLK GRY WHT
Cat 5e UTP 568B Molded 25Ft Patch Cable	PAT5XXX25	1	BLU BLK GRY WHT
Cat 5e UTP 568B Molded 50Ft Patch Cable	PAT5XXX50	1	BLU BLK GRY WHT
Cat 5e UTP 568B Molded 75Ft Patch Cable	PAT5XXX75	1	BLU BLK GRY WHT
Cat 5e UTP 568B Molded 100Ft Patch Cable	PAT5XXX100	1	BLU BLK GRY WHT
Cat 6 UTP 568B Molded 1Ft Patch Cable	PAT6XXX01	10	BLU BLK GRY WHT
Cat 6 UTP 568B Molded 2Ft Patch Cable	PAT6XXX02	10	BLU BLK GRY WHT
Cat 6 UTP 568B Molded 3Ft Patch Cable	PAT6XXX03	10	BLU BLK GRY WHT
Cat 6 UTP 568B Molded 4Ft Patch Cable	PAT6XXX04	10	BLU BLK GRY WHT
Cat 6 UTP 568B Molded 5Ft Patch Cable	PAT6XXX05	10	BLU BLK GRY WHT
Cat 6 UTP 568B Molded 6Ft Patch Cable	PAT6XXX06	10	BLU BLK GRY WHT
Cat 6 UTP 568B Molded 7Ft Patch Cable	PAT6XXX07	10	BLU BLK GRY WHT
Cat 6 UTP 568B Molded 9Ft Patch Cable	PAT6XXX09	10	BLU BLK GRY WHT
Cat 6 UTP 568B Molded 10Ft Patch Cable	PAT6XXX10	10	BLU BLK GRY WHT
Cat 6 UTP 568B Molded 12Ft Patch Cable	PAT6XXX12	10	BLU BLK GRY WHT
Cat 6 UTP 568B Molded 15Ft Patch Cable	PAT6XXX15	1	BLU BLK GRY WHT
Cat 6 UTP 568B Molded 20Ft Patch Cable	PAT6XXX20	1	BLU BLK GRY WHT
Cat 6 UTP 568B Molded 25Ft Patch Cable	PAT6XXX25	1	BLU BLK GRY WHT
Cat 6 UTP 568B Molded 50Ft Patch Cable	PAT6XXX50	1	BLU BLK GRY WHT
Cat 6 UTP 568B Molded 75Ft Patch Cable	PAT6XXX75	1	BLU BLK GRY WHT
Cat 6 UTP 568B Molded 100Ft Patch Cable	PAT6XXX100	1	BLU BLK GRY WHT

Abbreviation Key

Plates	Jacks	Patch cords
ALM - Light Almond	ALM - Light Almond	BLK - black
IV - ivory	B - black	BLU - blue
WHT - white	O - blue	GRY - gray
	G - gray	RED - red
	V - green	Call for Other Colors
	I - ivory	
	OR - orange	
	R - red	
	W - white	
	Y - yellow	



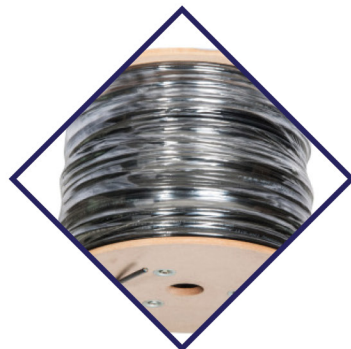
ITEM NAME	DESCRIPTION
Aluminum ACSR	
Drake	795 MCM ACSR 26/7
Linnet	336.4 MCM ACSR 26/7
Merlin	336.4 MCM ACSR 18/1
Penguin	4/0 AWG ACSR 6/1
Quail	2/0 AWG ACSR 6/1
Sparate	2 AWG ACSR 7/1
Sparrow	2 AWG ACSR 6/1
Swanate	4 AWG ACSR 7/1

Duplex Service Drop	
Shepherd	6 AWG ALUM COND 6/1 ACSR Neutral XLP Duplex Service Drop

Quad Service Drop	
Appaloosa	4/0-3 Phase + 4/0 ACSR 6/1 Neutral XLP Quad Plex Service Drop
Bronco	336 .4mcm/3 Phase + 1/336.4MCM ACSR Neutral XLP Quad Plex Service Drop
Chola	6/3 Phase + 6 AWG ACSR 6/1 Neutral XLP Quad Plex Service Drop
Costena	1/0-3 Phase + 1/0 ACSR Neutral XLP Quad Plex Service Drop
Grullo	2/0-3 Phase + 2/0 ACSR XLP Quad Plex Service Drop
Hackney	4/3 Phase + 4AWG ACSR Neutral XLP Quad Plex Service Drop
Palomino	2 AWG XLP Quadruplex Service Drop
Suffolk	3/0-3 Phase 3/0-1 ACSR 6/1 Neutral XLP Quad Plex Service Drop

Quad URD	
Davidson	3/0/3 Phase + 3/0/1 Neutral XLP Quadruplex 600v URD
Dyke	2/3 Phase + 4/1 Neutral XLP Quad Plex 600v Secondary
Earlham	2/3 4/0/3 Phase + 4/0/1 Neutral XLP Quadruplex 600v URD
Notre Dame	1/0-3 Phase+2-1 Neutral XLP Quad Plex 600v Secondary URD
Rust	250/3 Phase + 3/0-1 Neutral XLP Quad Plex Secondary URD
Slipperyrock	350/3 Phase + 4/0-1 Neutral XLP Quad Plex Secondary URD
Tulsa	4/4C XLP Quad Plex Secondary URD
Wake Forest	4/0-3 Phase + 2/0 Neutral XLP Quad Plex Secondary URD
Wittenberg	2/3 Phase+2/1 Neutral XLP Quadruplex 600v URD
Wofford	500/3 Phase+350/1 Neutral XLP Quadruplex 600v URD

Triplex Service Drop	
Conch	2/2 Phase + 2AWG ACSR6/1 Neutral XLP Triplex Service Drop
Neritina	1/0-2 +1/0 ACSR XLP Triplex Service Drop
Periwinkle	4 AWG XLP Triplex Service Drop
Runcina	2/0 W/ACSR Neutral XLP Triplex Service Drop
Voluta	6/2 Phase 6AWG ACSR Neutral XLP Triplex Service Drop
Zuzara	4/0-2 Phase + 4/0 ACSR Neutral XLP Triplex Service Drop



ITEM NAME	DESCRIPTION
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Triplex URD	
Brenau Alum	1/0-2 Phase + 2/1 Neutral XLP Triplex 600v Secondary URD
Converse	2/0-2 Phase + 1/1 Neutral XLP Triplex 600v Secondary URD
Erskine	6/3 XLP Triplex 600v Secondary URD
Hunter	2/0/2 Phase + 2/0/1 Neutral XLP Triplex 600v URD
Monmouth	4/0 3C XLP Triplex 600v Secondary URD
Pratt	250/2 Phase + 3/0-1 Neutral XLP Triplex 600v Secondary URD
Ramapo	2/3 XLP Triplex Secondary URD
Rider	500/2 Phase + 350-1 Neutral XLP Triplex Secondary URD
Stephens	2/2 Phase + 4/1 Neutral XLP Triplex Secondary URD
Sweetbriar	4/0-2 Phase + 2/0-1 Neutral XLP Triplex Secondary URD
Vassar	4/2 Phase + 4/1 Neutral XLP Triplex Secondary URD
Wesleyan	350/2 Phase + 4/0 Neutral XLP Triplex Secondary URD

Mobile Home Feeder	
MHF 2-2-2-4/1M	2/2 Phase + 2/1 Neutral + 4/1 Ground XLP 600v
MHF 2-2-4-6/1M	2/2 Phase + 4/1 Neutral + 6/1 Ground XLP 600v
MHF 4/0-4/0-2/0-4/1M	4/0/2 Phase + 2/0/1 Neutral + 4/1 Ground XLP 600v
MHF 4/0-4/0-2/0-4/500'	4/0/2 Phase + 2/0/1 Neutral + 4/1 Ground XLP 600v



APPLICATIONS:

Commodity Cables Inc. Aluminum Service Entrance Cable Type SE, with rated voltage 600V, is used to transmit power from the junction box to the meter base and from the meter base to the distribution cabinet; it may be used in all applications where Type SE cable is permitted. Type SE cable can be used in dry or wet environment at the working temperature not to exceed 90° C.

STANDARD:

ASTM-B-800 and B-801
 UL Standard 44 for XHHW-2
 UL Standard 854 for SER/SEU
 RoHS environmental conductive requirement

PRODUCT CHARACTERS:

Conductor:	M-8030 aluminum alloy conductors
Insulation:	Cross-linked polyethylene (XLPE) insulation
Jacket:	Sunlight resistant, moisture resistant and flame retardant
Temperature Range:	Temperature of 90° C in wet and dry locations
Environmental:	Free of harmful heavy metals in compliance with RoHS
Voltage Rating:	600Volt

SPECIFICATIONS:

The AA-8000 aluminum alloy conductor is applied in Type SER/SEU cable. Its insulated core is compiled to the requirement of Type XHHW-2 in UL44. Insulation material is cross-linked polyethylene (XLPE) with characteristics of abrasion resistance, moisture proof and heat resistant. Meanwhile the insulation has the flame-retardant property, which can meet the FT2 level combustion test requirement. The outside of cable core is wrapped in a fibrage tape, both of the insulation wire core and outer sheath can meet the 720h sunlight resistant requirement.



Conductor Size (AWG, Kcmil)	Phase Conductor Diameter		Nominal Insulation Thickness		Nominal Overall Diameter		Approx. Weight		Allowable Ampacity AMPS		
	inch	mm	mils	mm	mils	mm	kg/km	lbs/1000ft	60° C	75° C	90° C

SER Cable Two Conductor with Bare Ground											
2-2-4	0.268	6.81	45	1.14	740	18.8	388	261	75	90	100
1-1-3	0.299	7.59	55	1.40	834	21.2	490	330	85	100	115
1/0-1/0-2	0.336	8.53	55	1.40	913	23.2	591	397	100	120	135
2/0-2/0-2/0	0.376	9.55	55	1.40	1053	26.7	795	535	115	135	150
2/0-2/0-1	0.376	9.55	55	1.40	996	25.3	716	482	115	135	150
3/0-3/0-3/0	0.423	10.74	55	1.40	1159	29.4	972	654	130	155	175
3/0-3/0-1/0	0.423	10.74	55	1.40	1094	27.8	873	587	130	155	175
4/0-4/0-2/0	0.475	12.07	55	1.40	1202	30.5	1067	718	150	180	205
250-250-250	0.520	13.21	65	1.65	1407	35.7	1423	957	170	205	230
250-250-3/0	0.520	13.21	65	1.65	1334	33.9	1291	868	170	205	230

SER Cable Three Conductor with Bare Ground											
8-8-8-8	0.134	3.40	45	1.14	559	14.2	208	140	35	40	45
6-6-6-6	0.169	4.29	45	1.14	642	16.3	282	190	40	50	55
4-4-4-6	0.213	5.41	45	1.14	724	18.4	370	249	55	65	75
2-2-2-4	0.268	6.81	45	1.14	854	21.7	530	356	75	90	100
1-1-1-3	0.299	7.59	55	1.40	965	24.5	673	453	85	100	115
1/0-1/0-1/0-2	0.336	8.53	55	1.40	1055	26.8	813	547	100	120	135
2/0-2/0-2/0-1	0.376	9.55	55	1.40	1150	29.2	984	662	115	135	150
3/0-3/0-3/0-1/0	0.423	10.74	55	1.40	1260	32.0	1200	807	130	155	175
4/0-4/0-4/0-2/0	0.475	12.07	55	1.40	1386	35.2	1466	986	150	180	205
250-250-250-3/0	0.520	13.21	65	1.65	1535	39.0	1771	1191	170	205	230



Conductor Size (AWG, Kcmil)	Phase Conductor Diameter		Nominal Insulation Thickness		Nominal Overall Diameter		Approx. Weight		Allowable Ampacity AMPS		
	inch	mm	mils	mm	mils	mm	kg/km	lbs1000ft	60° C	75° C	90° C

SEU Cable Two Conductor with Bare Ground											
6-6-6	0.169	4.29	45	1.14	443x277	17.5x10.9	219	147	40	50	55
4-4-6	0.213	5.41	45	1.14	501x305	19.7x12.0	280	188	55	65	75
2-2-4	0.268	6.81	45	1.14	578x347	22.7x13.7	399	268	75	90	100
1-1-3	0.299	7.59	55	1.40	654x390	25.8x15.4	504	339	85	100	115
2/0-2/0-1	0.376	9.55	55	1.40	784x470	30.9x18.5	736	495	115	135	150
3/0-3/0-3/0	0.423	10.74	55	1.40	856x512	33.7x20.1	984	662	130	155	175



Conductor Size (AWG, Kcmil)	Phase Conductor Diameter		Nominal Insulation Thickness		Nominal Overall Diameter		Approx. Weight		Allowable Ampacity AMPS	
	inch	mm	mils	mm	mils	mm	kg/km	lbs/1000ft	75°C	90°C
MC Cable Three Conductor with Bare Ground										
6-6-6-6	0.169	4.29	45	1.14	819	20.8	421	283	50	55
4-4-4-6	0.213	5.41	45	1.14	906	23.0	521	350	65	75
2-2-2-6	0.268	6.81	45	1.14	1016	25.8	667	449	90	100
2-2-2-4	0.268	6.81	45	1.14	1031	26.2	693	466	90	100
1-1-1-4	0.299	7.59	55	1.40	1134	28.8	824	554	100	115
1/0-1/0-1/0-4	0.336	8.53	55	1.40	1209	30.7	948	638	120	135
2/0-2/0-2/0-4	0.376	9.55	55	1.40	1295	32.9	1099	739	135	150
3/0-3/0-3/0-4	0.423	10.74	55	1.40	1394	35.4	1287	866	155	175
4/0-4/0-4/0-2	0.475	12.07	55	1.40	1547	39.3	1548	1041	180	205
250-250-250-2	0.520	13.21	65	1.65	1650	41.9	1802	1212	205	230
250-250-250-3/0	0.520	13.21	65	1.65	1693	43.0	1953	1313	205	230
300-300-300-2	0.570	14.48	65	1.65	1756	44.6	2054	1381	230	260
350-350-350-2	0.616	15.65	65	1.65	2012	51.1	2462	1656	250	280
350-350-350-1	0.616	15.65	65	1.65	2012	51.1	2486	1672	250	280
400-400-400-1	0.659	16.74	65	1.65	2106	53.5	2747	1847	270	305
500-500-500-1	0.736	18.69	65	1.65	2272	57.7	3241	2180	310	350
500-500-500-2/0	0.736	18.69	65	1.65	2272	57.7	3309	2225	310	350
500-500-500-3/0	0.736	18.69	65	1.65	2272	57.7	3357	2258	340	385
600-600-600-1	0.813	20.65	80	2.03	2504	63.6	3853	2591	340	385
600-600-600-1/0	0.813	20.65	80	2.03	2504	63.6	3883	2612	375	425
700-700-700-1/0	0.877	22.28	80	2.03	2642	67.1	4403	2961	385	435
750-750-750-1/0	0.908	23.06	80	2.03	2709	68.8	4619	3107	385	435
750-750-750-3/0	0.908	23.06	80	2.03	2709	68.8	4704	3164	385	435
750-750-750-750	0.908	23.06	80	2.03	2886	73.3	5563	3741	385	435
900-900-900-250	0.999	25.37	80	2.03	2906	73.8	5556	3737	425	480
900-900-900-900	0.999	25.37	80	2.03	3106	78.9	6515	4382	425	480

Conductor Size (AWG, Kcmil)	Phase Conductor Diameter		Nominal Insulation Thickness		Nominal Overall Diameter		Approx. Weight		Allowable Ampacity AMPS	
	inch	mm	mils	mm	mils	mm	kg/km	lbs/1000ft	75°C	90°C
MC Cable Four Conductor with Bare Ground										
6-6-6-6-6	0.169	4.29	45	1.14	965	24.5	421	283	50	55
4-4-4-4-6	0.213	5.41	45	1.14	1063	27.0	521	350	65	75
2-2-2-2-6	0.268	6.81	45	1.14	1185	30.1	667	449	90	100
2-2-2-2-4	0.268	6.81	45	1.14	1224	31.1	693	466	90	100
1-1-1-1-4	0.299	7.59	55	1.40	1335	33.9	824	554	100	115
1/0-1/0-1/0-1/0-4	0.336	8.53	55	1.40	1417	36.0	948	638	120	135
2/0-2/0-2/0-2/0-4	0.376	9.55	55	1.40	1504	38.2	1099	739	135	150
3/0-3/0-3/0-3/0-4	0.423	10.74	55	1.40	1610	40.9	1287	866	155	175
4/0-4/0-4/0-4/0-2	0.475	12.07	55	1.40	1776	45.1	1548	1041	180	205
250-250-250-250-2	0.520	13.21	65	1.65	2075	52.7	1802	1212	205	230
250-250-250-250-3/0	0.520	13.21	65	1.65	2217	56.3	1953	1313	205	230
300-300-300-300-2	0.570	14.48	65	1.65	2181	55.4	2054	1381	230	260
350-350-350-350-2	0.616	15.65	65	1.65	2283	58.0	2462	1656	250	280
350-350-350-350-1	0.616	15.65	65	1.65	2311	58.7	2486	1672	250	280
400-400-400-400-1	0.659	16.74	65	1.65	2406	61.1	2747	1847	270	305
500-500-500-500-1	0.736	18.69	65	1.65	2575	65.4	3241	2180	310	350
500-500-500-500-2/0	0.736	18.69	65	1.65	2646	67.2	3309	2225	310	350
500-500-500-500-3/0	0.736	18.69	65	1.65	2685	68.2	3357	2258	340	385
600-600-600-600-1	0.813	20.65	80	2.03	2811	71.4	3853	2591	340	385
600-600-600-600-1/0	0.813	20.65	80	2.03	2843	72.2	4403	2961	375	425
700-700-700-700-1/0	0.877	22.28	80	2.03	2984	75.8	4619	3107	385	435
750-750-750-750-1/0	0.908	23.06	80	2.03	3051	77.5	4704	3164	385	435
750-750-750-750-3/0	0.908	23.06	80	2.03	3130	79.5	4704	3164	385	435
750-750-750-750-750	0.908	23.06	80	2.03	3579	90.9	5563	3741	385	435
900-900-900-900-250	0.999	25.37	80	2.03	3421	86.9	5556	3737	425	480
900-900-900-900-900	0.999	25.37	80	2.03	3862	98.1	6515	4382	425	480

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