Quadruplex XLPE Service Drop. AAC Neutral - Messenger

Aluminum Conductors With Crosslinked Polyethylene Insulation.

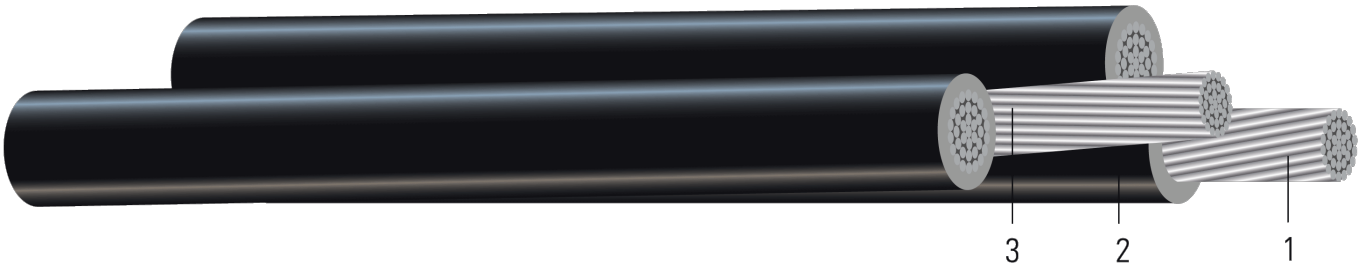

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Conductors are stranded, compressed 1350-H19 aluminum
2. **Insulation:** Cross Linked Polyethylene (XLPE)
3. **Messenger:** AAC Neutral

APPLICATIONS AND FEATURES:

Used to supply power, usually from a pole-mounted transformer, to the user's service head where connection to the service entrance cable is made. To be used at voltages of 600 volts phase-to-phase or less and at conductor temperatures 90°C for crosslinked polyethylene (XLP) insulated conductors.

SPECIFICATIONS:

- ASTM B230 Aluminum, 1350-H19 Wire for Electrical Purposes
- ASTM B231 Standard Specification for Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B901 Standard Specification for Compressed Round Stranded Aluminum Conductors Using Single Input Wire Construction. *(The number of strands for both phase and neutral may differ)*
- ICEA S-76-474 Standard for Neutral-Supported Power Cable Assemblies with Weather-Resistant Extruded Insulation Rated 600V

Table 1 – Weights and Measurements

Stock Number	Code Word	Phase Cond. Size	Phase Strand	Dia. Over Phase Conductor	Phase Insul. Thickness	Dia. Over Phase Insulation	Neutral Cond. Size	Neutral Strand	Approx. OD	Approx. Weight
		AWG/ Kcmil	No.	inch	mil	inch	AWG/Kcmil	No.	inch	lb/1000ft
TBA	CLYDESDALE	4	SOLID	0.204	45	0.294	4	7	0.711	172
TBA	PINTO	4	7	0.225	45	0.315	4	7	0.762	174
105205	MUSTANG	2	7	0.283	45	0.811	2	7	0.901	314
622426	MUSTANG	2	7	0.283	45	0.811	2	7	0.901	314
105213	CRIOLLO	1/0	9	0.362	60	1.019	1/0	7	1.139	504
105221	PERCHERON	2/0	11	0.405	60	1.123	2/0	7	1.243	620
TBA	HANOVERIAN	3/0	19	0.456	60	0.576	3/0	19	1.394	675
105247	OLDENBURG	4/0	18	0.512	60	1.372	4/0	19	1.492	941

All dimensions are nominal and subject to normal manufacturing tolerances

We've got it MADE IN AMERICA

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

UPDATED: Dec. 31, 2024, 11:09 p.m.UTC REVISION: 1.000.000

1. The actual number of strands may differ for single input wire per ASTM B901
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

Table 2 – Electrical and Engineering Data

Code Word	Phase Cond. Size	Neutral Rated Breaking Strength	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance @ 60Hz	GMR	Allowable Ampacity In Air 75/90°C
	AWG/Kcmil	lb	Ω/1000ft	Ω/1000ft	Ω/1000ft	ft	Amp
CLYDESDALE	4	881	0.258	0.321	0.048	0.084	100/115
PINTO	4	881	0.424	0.528	0.048	0.084	100/115
MUSTANG	2	1350	0.266	0.331	0.045	0.105	135/150
MUSTANG	2	1350	0.266	0.331	0.045	0.105	135/150
CRIOLLO	1/0	1990	0.167	0.208	0.044	0.139	180/205
PERCHERON	2/0	2510	0.133	0.166	0.043	0.156	210/235
HANOVERIAN	3/0	3310	0.105	0.131	0.042	0.175	240/270
OLDENBURG	4/0	4020	0.084	0.105	0.041	0.197	280/315

Notes:
1. DC resistances include a 1% length factor for plexing.
2. Inductive reactance assumes the neutral is carrying current.
3. Phase conductors assumed to be reverse lay stranded, compressed construction.
4. Phase spacing assumes cables are touching.
5. Resistances shown are for the phase conductor only.
6. Sizes of AAAC neutrals are not the AAAC size, but are the size of an ACSR of equal diameter.
7. Ampacity based on conductor temperature of 90°; ambient temperature of 40°C; emissivity 0.9; 2 ft./sec. wind in sun.

Neutral Code Word

Size-Strands	Code Word	OD (inches)
#6-7	Peachbell	0.184
#4-7	Rose	0..232
#2-7	Iris	0.292
1/0-7	Poppy	0.368
2/0-7	Aster	0.414
3/0-19	Primrose	0.470
4/0-19	Sunflower	0.528
336.4-19	Tulip	0.665

Copyright © 2026 Southwire Company, LLC. All Rights Reserved