



Providing Solutions....

Titan Wire & Cable Spec Sheet

Type: 4SProducts ALFOUR®-8₃

Aluminum Shield | Single Jacket | AirCore | Fig-8

4SProducts ALFOUR®-8₃ cables are designed for aerial installations. The core and support member (messenger) lay parallel to each other forming a cross-sectional “Figure 8”. The messenger is an integral part of the cable sheath, yet readily available for gripping, pulling and tensioning. Installation is fast and easy using standard methods and hardware.

TWC Part #	Size AWG	Pairs*	Messenger Size (in)	Weight Lbs/M
16-PE38-1912-1/4	19	12	1/4	388
16-PE38-1925-1/4	19	25	1/4	566
16-PE38-1937-1/4	19	37	1/4	795
16-PE38-1950-1/4	19	50	1/4	933

TWC Part #	Size AWG	Pairs*	Messenger Size (in)	Weight Lbs/M
16-PE38-2212-1/4	22	12	1/4	292
16-PE38-2225-1/4	22	25	1/4	391
16-PE38-2237-1/4	22	37	1/4	480
16-PE38-2250-1/4	22	50	1/4	563

TWC Part #	Size AWG	Pairs*	Messenger Size	Weight Lbs/M
16-PE38-1912-3/8	19	12	3/8	652
16-PE38-1925-3/8	19	25	3/8	806
16-PE38-1937-3/8	19	37	3/8	914
16-PE38-1950-3/8	19	50	3/8	1,176

TWC Part #	Size AWG	Pairs*	Messenger Size	Weight Lbs/M
16-PE38-2212-3/8	22	12	3/8	2520
16-PE38-2225-3/8	22	25	3/8	598
16-PE38-2237-3/8	22	37	3/8	659
16-PE38-2250-3/8	22	50	3/8	793

*Higher Pair Counts on Request

Titan Wire & Cable – Toll Free: 1-888-356-1662 – Local: 775-356-6600 – Fax: 775-356-6603
www.titanwireandcable.com

*TWC specifications are not manufacturer specific & therefore generic in nature. Construction variations exist & you are encouraged to contact your sales representative with exacting requirements.

Cable Construction



Conductor: Solid annealed copper in 19 and 22 AWG

Insulation: Conductors are insulated with solid polyolefin, color-coded in accordance with industry standards.

Twisted Pairs: Individual conductors are twisted into pairs with varying lay lengths to minimize crosstalk and specific color combinations to provide pair identification.

Core Assembly: Cables of 25 pairs or less are assembled into a cylindrical core. Cables larger than 25 pairs are assembled into units, which are then used to assemble the core. Units are individually identifiable by color-coded unit binders.

Core Wrap: A non-hygroscopic, dielectric tape is applied over the core assembly to provide protection for the core.

Shielding: A corrugated, copolymer coated 8-mil aluminum tape is applied longitudinally with an overlap.

Support Member: A 3/8 inch 7-strand Extra High Strength (EHS) galvanized steel messenger serves as the support member and is an integral part of the sheath. The messenger is flooded to inhibit corrosion.

Jacket: A black, linear low-density polyethylene jacket is applied overall. The jacket provides a tough protective covering designed to withstand exposure to direct sunlight, atmospheric temperature changes and stresses expected in standard installations.

Qualifications and Approvals: Manufactured to meet requirements of ANS/ICEA 5-85-625-1996; formerly manufactured to REA Specification PE-38, PE-38 was deactivated by RUS (REA) in 1993 and is superseded by the ANSI/ICEA specifications.

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