



• Introduction

This Cable Distribución Aérea known as PSD consists of one, two, or three copper or aluminum conductors, each with individual thermoplastic insulation of high-density polyethylene (HDPE) in black. These conductors are helically arranged around a bare messenger neutral conductor, which can be made of copper or aluminum.

• Application

Low Voltage Overhead Distribution: These PSD Cable Distribución Aérea are used in low voltage overhead electrical power distribution systems.

Secondary Services: Ideal for aerial connections of secondary services.

Lighting Installations: Suitable for both permanent and temporary electrical lighting installations in general.

• Performance

Maximum Operating Voltage: 600 V.

Maximum Operating Temperature: 75°C in the conductor.

NMX-J-032 Conductors- Aluminum cable 1350 with concentric wiring, for electrical uses.

NMX-J-058 Conductors - Aluminum cable with concentric wiring and steel core (ACSR)

NMX-J-054 Conductors - Polyethylene Insulated Wire and Cable insulated with polyethylene, for outdoor installations

NMX-J-061 Conductors - Multiconductor cables for overhead or underground low voltage overhead or subway distribution

• Construction

Copper Conductors: Insulated copper conductors are manufactured in soft temper, while the bare conductor is in hard or semi-hard temper (CFE).

Aluminum Conductors: Insulated conductors and bare aluminum conductors are made with hard-tempered alloy 1350 (H19).

ACSR Conductors: Manufactured with hard-tempered aluminum alloy 1350 (H19) and a steel core for additional strength and durability.

Insulation: Black HDPE insulation provides resistance to sunlight.

• Advantage

Durability: The hard or semi-hard temper of the conductor allows it to withstand installation stress and accommodate longer run lengths.

Abrasion Resistance: Polyethylene insulation helps the cable resist abrasion from tree branches and other environmental factors.

Weather Resistance: The cable is resistant to sunlight and weathering, ensuring long-term performance in various environmental conditions.

• Specification

NOM-063-SCFI: Electrical products-conductors-safety requirements.

NMX-J-061-ANCE: Multiconductor cables for low voltage aerial or underground distribution.

CFE E0000-09: Multiple conductors for overhead distribution up to 600 V, 75°C.

LFC GDD-030: BM Cu Cable.

Additional Standards: It can also be manufactured under ICEA standard.

• Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.

CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

• Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TUV Rhineland and CCS.



• National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

Duplex - AAC Conductor and ACSR Messenger Neutral								
Code	AAC Conductor Phase			Neutral ACSR Messenger			Approx. Weight	Current-carrying Capacity**
	Cal. AWG or kcmil	No. of Wires	Isolation Sp.	Cal. AWG or kcmil	No. of Wires	Breaking Load		
/	/	/	mm	/	/	kg	kg/km	75°C
Setter	6	1	1.14	6	6/1	540	111	59
Shepherd	6	7	1.14	6	6/1	540	116	59
Retriever	6	7	1.52	6	6/1	540	126	59
Eskimo	4	1	1.14	4	6/1	844	169	78
Terrier	4	7	1.14	4	6/1	844	176	78
Yorkshire	4	7	1.52	4	6/1	844	187	78
Chow	2	7	1.14	2	6/1	1294	270	106
Bull	1/0	19	1.52	1/0	6/1	1989	431	143

Triplex - Phase and Neutral Messenger AAC								
Code	AAC Conductor Phase			Neutral ACSR Messenger			Approx. Weight	Current-carrying Capacity**
	Cal. AWG or kcmil	No. of Wires	Isolation Sp.	Cal. AWG or kcmil	No. of Wires	Breaking Load		
/	/	/	mm	/	/	kg	kg/km	75°C
Haiotis	6	1	1.14	6	7	256	150	59
Patella	6	7	1.14	6	7	256	161	59
Fusus	4	1	1.14	4	7	400	223	78
Oyster	4	7	1.14	4	7	400	237	78
Clam	2	7	1.14	2	7	613	357	106
Snail	1/0	7	1.52	1/0	7	613	576	143
Murex	1/0	7	1.52	1/0	7	903	576	143
Purpura	1/0	19	1.52	1/0	7	903	570	143
Nassa	2/0	7	1.52	2/0	7	1140	710	165
Trophon	2/0	19	1.52	2/0	7	1140	701	165
Melita	3/0	19	1.52	3/0	19	1503	866	192
Portunus	4/0	19	1.52	4/0	19	1825	1072	224
Nannynose	336.4	19	2.03	336.4	19	2790	1730	*295

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Code	AAC Conductor Phase			Neutral ACSR Messenger			Approx. Weight	Current-carrying Capacity**
	Cal. AWG or kcmil	No. of Wires	Isolation Sp.	Cal. AWG or kcmil	No. of Wires	Breaking Load	PE	Amperes
/	/	/	mm	/	/	kg	kg/km	75°C
Paludina	6	1	1.14	6	6/1	540	111	59
Voluta	6	7	1.14	6	6/1	540	178	59
Bolma	6	7	1.52	6	6/1	540	196	59
Scallop	4	1	1.14	6	6/1	540	218	78
Strombus	4	7	1.14	6	6/1	540	233	78
Whelk	4	1	1.14	4	6/1	844	251	78
Periwinkle	4	7	1.14	4	6/1	844	265	78
Calma	4	7	1.52	4	6/1	844	286	78
Cockle	2	7	1.14	4	6/1	844	351	106
Conch	2	7	1.14	2	6/1	1294	402	106
Gebia	2	7	1.52	4	6/1	844	376	106
Janthina	1/0	7	1.52	2	6/1	1294	566	143
Ranella	1/0	19	1.52	2	6/1	1294	559	143
Neritina	1/0	7	1.52	1/0	6/1	1989	648	143
Cenia	1/0	19	1.52	1/0	6/1	1989	641	143
Cavolinia	2/0	7	1.52	1	6/1	1612	697	165
Clio	2/0	19	1.52	1	6/1	1612	688	165
Runcina	2/0	7	1.52	2/0	6/1	2406	800	165
Triton	2/0	19	1.52	2/0	6/1	2406	792	165
Aega	3/0	19	1.52	1/0	6/1	1989	849	192
Mursia	3/0	19	1.52	3/0	6/1	3005	979	192
Cerapus	4/0	19	1.52	2/0	6/1	2406	1051	224
Zuzara	4/0	19	1.52	4/0	6/1	3791	1215	224
Dosinia	266.8	19	2.03	266.8	18/1	3133	1463	*255
Cowry	336.4	19	2.03	4/0	6/1	3791	1693	*295
Limpet	336.4	19	2.03	336.4	18/1	3950	1806	*295

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	Cal. AWG or kcmil	No. of Wires	Isolation Sp.	Cal. AWG or kcmil	No. of Wires	Breaking Load	PE	Amperes
/	/	/	mm	/	/	kg	kg/km	75°C
Morochuca	6	1	1.14	6	6/1	540	223	59
Chola	6	7	1.14	6	6/1	540	239	59
Morgan	4	1	1.14	4	6/1	844	333	78
Hackney	4	7	1.14	4	6/1	844	354	78
Yearling	2	7	1.14	4	6/1	844	482	106
Palomino	2	7	1.14	2	6/1	1294	533	106
Colt	1/0	19	1.52	2	6/1	1294	769	143
Costena	1/0	19	1.52	1/0	6/1	1989	851	143
Haflinger	2/0	19	1.52	1/0	6/1	1989	991	165
Grullo	2/0	19	1.52	2/0	6/1	2406	1048	165
Claiming	3/0	19	1.52	1/0	6/1	1989	1164	192
Suffolk	3/0	19	1.52	3/0	6/1	3005	1294	192
Toric	4/0	19	1.52	1/0	6/1	1989	1379	224
Stallion	4/0	7	1.52	4/0	6/1	3791	1620	224
Filly	4/0	19	1.52	2/0	6/1	2406	1437	224
Appaloosa	4/0	19	1.52	4/0	6/1	3791	1601	224
Gelding	336.4	19	2.03	4/0	6/1	3791	2319	*295
Bronco	336.4	19	2.03	336.4	18/1	3950	2432	*295

Estimated values

**Based on NEC table (NFPA 70) 310.20. -No more than 3 conductors supported in a messenger neutral and at an ambient temperature of 40°C.

NOTE: Dimensions and weights are subject to manufacturing tolerances.