XINLAN®

Type W Single Conductor Portable Power Cable 2kV

Applications:

These cables are designed for use on electric mining locomotives and other mobile equipment of the gathering-reel type, where the cable must withstand constant flexing and reeling.

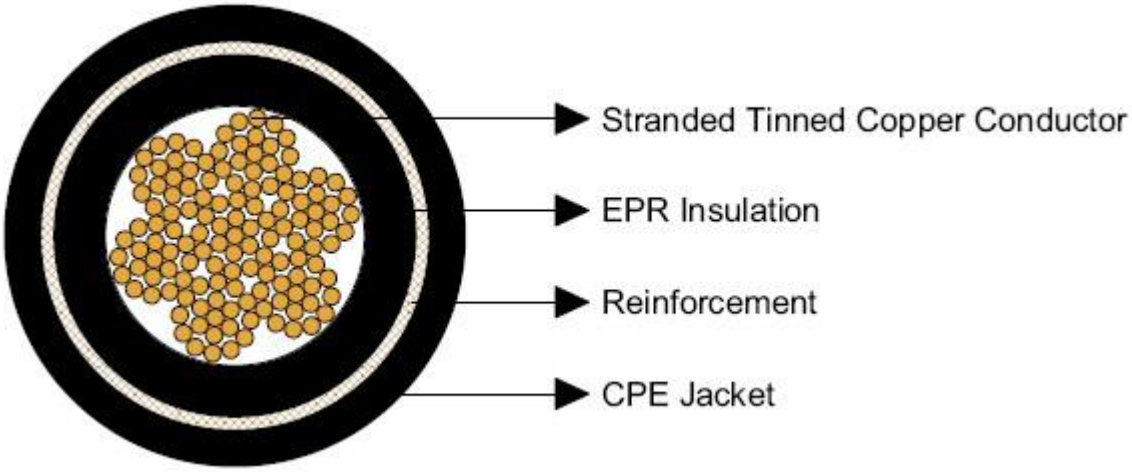
Standards:

ICEA S-75-381/NEMA WC 58

ASTM B 172ASTM B 33

CAN/CSA C22.2 No.96

Construction:



Conductors**:** Stranded annealed tinned copper conductor.

Insulation**:**EPR.

Reinforcement**:** A layer of polyester braid, applied between the insulation and sheath for mechanical strength.

Sheath**:** Chlorinated Polyethylene(CPE), black. Other sheath materials can be offered as an option.

Options:

Other jacket materials such as CSP/PCP/NBR/PVC are available upon reques.

Two-layer jacket with reinforcing fibre between the two layers can be offered as an option.

Mechanical and Thermal Properties:

Minimum Bending Radius: 6×OD

Maximum Operating Temperature: +90℃

Dimensions and Weight:

Construction	No. of Strands	Nominal Insulation Thickness		Nominal Overall Diameter		Nominal Weight		Ampacity
No. of cores× AWG/kcmil		inch	mm	inch	mm	lbs/kft	kg/km	A
1×8	133	0.060	1.5	0.44	11.2	150	223	83
1×6	168	0.060	1.5	0.51	13.0	205	305	109

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1×4	259	0.060	1.5	0.57	14.5	280	417	145
1×3	329	0.060	1.5	0.63	16.0	350	521	167
1×2	259	0.060	1.5	0.66	16.8	370	550	192
1×1	329	0.080	2.0	0.74	18.8	500	744	223
1×1/0	259	0.080	2.0	0.77	19.6	550	818	258
1×2/0	329	0.080	2.0	0.82	20.1	660	982	298
1×3/0	427	0.080	2.0	0.87	22.1	830	1235	345
1×4/0	532	0.080	2.0	0.93	23.6	950	1413	400
1×250	608	0.095	2.4	1.03	26.2	1240	1845	445
1×300	741	0.095	2.4	1.09	27.7	1400	2083	500
1×350	855	0.095	2.4	1.15	29.2	1480	2202	552
1×500	1221	0.095	2.4	1.31	33.3	2140	3184	695

Ampacity-Based on a conductor temperature of 90℃ and an ambient air temperature of 40℃, per ICEA S-75-381

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