

DESCRIPTION

Aluminum alloy (8176) conductor.
Cross Linked Polyethylene (XLPE) black color insulation, moisture resistant, high heat.

APPLICATIONS

- Service Entrance
- Lighting and low voltage power systems
- Power Circuits
- Control Circuits
- Solar and Wind Farms
- Industrial Installations
- Public Buildings
- Recreational Buildings

PERFORMANCE

- Cross Linked Polyethylene XLPE insulation
- Sun Light Resistant (Black Color)
- PRI and/or PRII – Oil resistant
- GRI and/or GRII – Gasoline resistant
- Wet or Dry locations not exceeding 90°C.
- Suitable for direct burial installation
- Horizontal flame resistant.

TECHNICAL DATA



Maximum operating voltage:
600 V / 1000 V



Preferred max. operating temp:

- Dry locations: 90°C / 194°F
- Humid and wet locations: 90°C / 194°F
- In emergency: 130°C / 266°F
- Short circuit: 250°C / 482°F



Packaging:

- Wooden reels.



Manufacturing range:

- 6 AWG to 750 kcmil.

Standards:

- ASTM – B800 and either B801
- UL 44

XHHW-2-SR					
Technical Data					
Size (AWG/kCM)	Cross Section	Conductor Diameter	Insulation Thickness XLPE	Overall Diameter	Theoretical Weight
	mm ²	inch	mil	inch	lb/ft
6	13.3	0.17	45	0.26	45.7
4	21.2	0.21	45	0.30	65.2
2	33.6	0.27	45	0.36	85.3
1/0	53.5	0.34	55	0.45	145.8
2/0	67.4	0.38	55	0.49	176.1
3/0	85	0.43	55	0.54	215.7
4/0	107	0.48	55	0.59	263.4
250	127	0.52	65	0.65	317.2
300	152	0.57	65	0.70	372.3
350	177	0.62	65	0.75	426.0
400	203	0.66	65	0.79	478.4
500	253	0.74	65	0.87	585.3
600	304	0.81	80	0.97	721.0
750	380	0.91	80	1.07	877.6
1000	507	1.06	80	1.22	1144.4