

TYPE SGT BATTERY & STARTER CABLE - TECHNICAL SPECIFICATIONS

APPLICABLE SPECIFICATIONS: SAE J1127... "Battery Cable"

CONDUCTORS:

- Multiple strand conductor offers flexibility & bend strain relief.
- Soft bare copper conductors meet the elongation requirements of ASTM B-174.
- Minimum cross sectional area of conductor:

6 ga	24538 cir.mils
4 ga	37360 cir.mils
2 ga	62450 cir.mils
1 ga	77790 cir.mils
1/0 ga	98980 cir.mils
2/0 ga	125100 cir.mils
3/0 ga	158600 cir.mils
4/0 ga	205500 cir.mils

INSULATION:

- Insulated with a specially formulated, 85°C-rated, thermoplastic (PVC) for wear resistance and flexibility.
- Minimum tensile strength of 1600 psi at 110°C aging.
- Minimum elongation of 125% at 110°C aging.
- Dielectric withstand testing to 1000 V.
- Available in black or red.

DIMENSIONS:

Nominal wall thickness of:

6 ga	0.060 inches
4 ga	0.065 inches
2 ga	0.065 inches
1 ga	0.065 inches
1/0 ga	0.065 inches
2/0 ga	0.065 inches
3/0 ga	0.078 inches
4/0 ga	0.078 inches

Maximum outside diameter of:

6 ga	0.340 inches
4 ga	0.420 inches
2 ga	0.505 inches
1 ga	0.557 inches
1/0 ga	0.600 inches
2/0 ga	0.655 inches
3/0 ga	0.750 inches
4/0 ga	0.810 inches

FLAME RESISTANCE:

- tested to SAE J1127.

OIL RESISTANCE:

- tested to ASTM D471 and SAE J1127.

COLD TEMPERATURE FLEXIBILITY:

- cold bend tested to -40°C/F without failure.

Available from Tectran's U.S. Stock Locations in:

Buffalo NY (Ph/Fax: 800.776.5549 / 716.894.9623)
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