

# Delphi Battery Cables

### ▶ Description

Delphi Battery Cables are multistranded wires that carry the high current necessary to operate the starter motor. Delphi offers polyvinyl chloride (PVC), cross-linked polyolefin (XLPE), and silicone Battery Cables in Society of Automotive Engineers (SAE) conductor sizes from 13 mm<sup>2</sup> to 50 mm<sup>2</sup> (SAE No. 6 to SAE No. 0).



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### ▶ Benefits

- Common strand size provides high "strand count" to improve conductor flexibility without adding cost
- Meets SAE J1127 requirements

### ▶ Typical Applications

- PVC—SAE J1127 types STT and SGT
  - General purpose circuits; continuous operating temperature  $\leq 80^{\circ}\text{C}$
- XLPE—SAE J1127 types STX and SGX
  - Hotter areas; continuous operating temperature  $\leq 125^{\circ}\text{C}$
- Silicone—SAE J1127 type SGR
  - Extremely hot areas; continuous operating temperature  $\leq 180^{\circ}\text{C}$

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### ► Specifications

SAE Cable Type	Part No.	SAE Conductor Size		Conductor Construction				Finished Cable					
				No. of Wires	Name* (mm)	Nom. Wire Dia.		Nom. Wall		Nom. Diameter		Approx. Weight	
						mm	(in.)	mm	(in.)	mm	(in.)	g/m	(#/kft)
STT	M3391	13	(6)	75	0.46 B	0.46	(0.018)	1.09	(0.043)	6.76	(0.266)	139	(93.6)
STT	M3391	19	(4)	113	0.46 B	0.46	(0.018)	1.12	(0.044)	7.88	(0.310)	203	(136)
SGT	M3390	13	(6)	75	0.46 B	0.46	(0.018)	1.52	(0.060)	7.61	(0.300)	152	(102)
SGT	M3390	19	(4)	113	0.46 B	0.46	(0.018)	1.65	(0.065)	8.94	(0.352)	221	(149)
SGT	M3390	32	(2)	192	0.46 B	0.46	(0.018)	1.65	(0.065)	10.66	(0.420)	353	(237)
SGT	M3390	50	(0)	299	0.46 B	0.46	(0.018)	1.65	(0.065)	12.47	(0.491)	528	(355)
STX	M3252	13	(6)	75	0.46 B	0.46	(0.018)	1.09	(0.043)	6.76	(0.266)	144	(96.9)
STX	M3252	19	(4)	113	0.46 B	0.46	(0.018)	1.12	(0.044)	7.88	(0.310)	210	(141)
STX	M3252	32	(2)	192	0.46 B	0.46	(0.018)	1.12	(0.044)	9.54	(0.376)	333	(224)
SGX	M3024	19	(4)	113	0.46 B	0.46	(0.018)	1.65	(0.065)	8.94	(0.352)	225	(152)
SGX	M3024	32	(2)	192	0.46 B	0.46	(0.018)	1.65	(0.065)	10.66	(0.420)	358	(241)
SGX	M3024	50	(0)	299	0.46 B	0.46	(0.018)	1.65	(0.065)	12.47	(0.491)	535	(359)
SGR	M3112	19	(4)	113	0.46 B	0.46	(0.018)	1.65	(0.065)	8.94	(0.352)	217	(146)
SGR	M3112	32	(2)	192	0.46 B	0.46	(0.018)	1.65	(0.065)	10.66	(0.420)	347	(233)

\*B Denotes bare or no plating on copper wires