

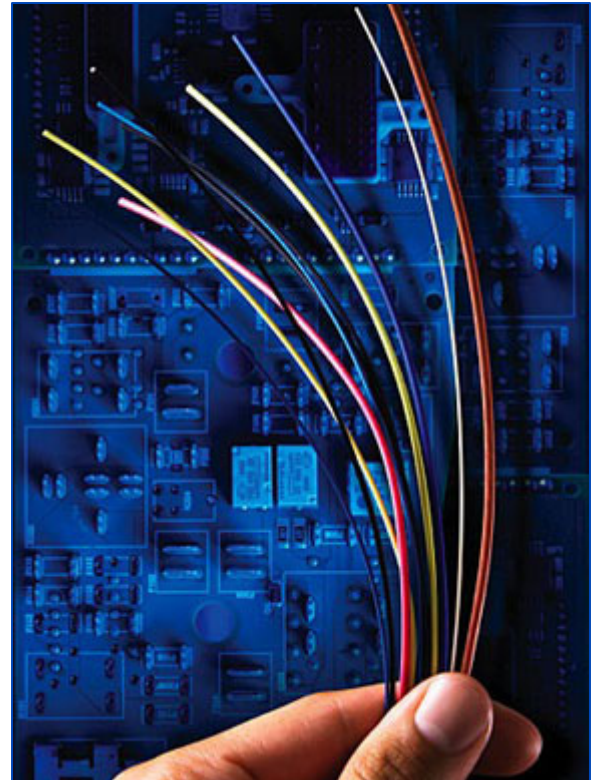
Delphi Halogen Free Thin-Wall & Ultra Thin-Wall Cable

Delphi Halogen Free Cable is a durable, lightweight, small size, ultra-thin wall, environmentally-friendly cable used for both interior and exterior vehicle applications.

- Designed to ISO-6722 in both thin-wall and ultra thin-wall insulation
- Exceeds ISO-6722 and SAE J1678 pinch and abrasion requirements
- Rated for 110°C continuous use without cross linking
- Contains no restricted chemicals (halogens, heavy metals or phthalates)

► Benefits and Features

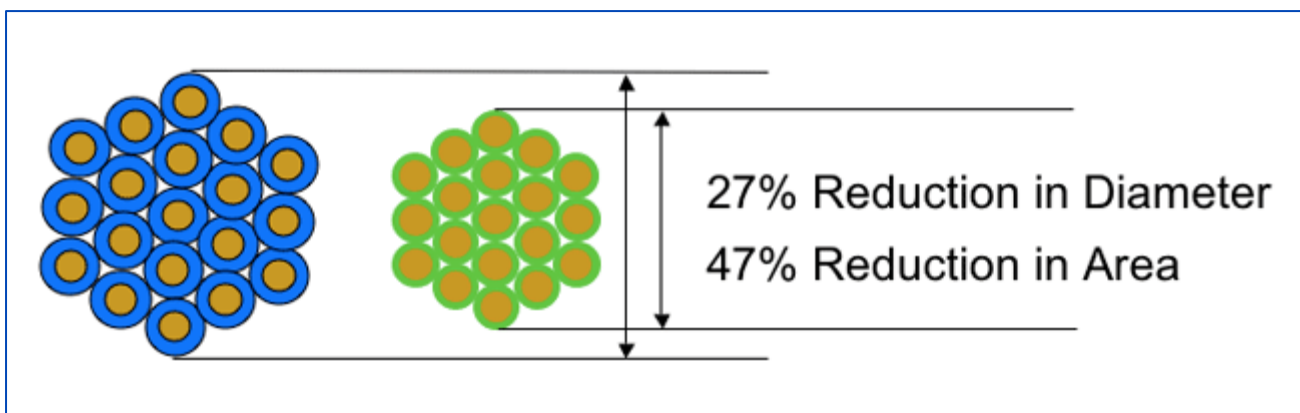
- Up to 27% average weight reduction compared to thin-wall PVC (polyvinyl chloride) cables helps enable a reduced system mass and helps enhance fuel economy
- 47% average volume reduction over thin-wall cable reduces the space needed for cable and improves packaging opportunities
- Halogen free and heavy-metal free to support customers' environmental initiatives
- Recyclable insulation helps enhance environmental friendliness
- Superior temperature, abrasion, and flame resistance allows a robust design to help ensure durability in the product life-cycle
- One insulation for interior and most underhood applications for reduced component proliferation and to help reduce total applied cost
- Complies with ECO guidelines for environmental standard design and specifications, helping contribute to environmentally responsible manufacturing processes and end product



Delphi Halogen Free Thin-Wall & Ultra Thin-Wall Cable

► Diameter and Area Reductions

Delphi Halogen Free Ultra Thin-Wall Cable vs. Thin-Wall PVC Cable



▶ **Typical Applications**

Delphi Halogen Free Cable is used for both interior and exterior vehicle applications.

▶ **Specifications**

Cable Type and Material Spec	Cable Size [mm ²]	Cable Construction No. Strands/Material	Average Cable Weight [grams/m]	Nominal Insulation Thickness [mm]	Maximum Cable Diameter [mm]	Maximum Resistance at 20°C [mOhms/m]
CHFUS M5647	0.13	7/Copper Alloy	1.6	0.20	0.95	169.1
CHFUS M5373	0.22	7/Copper	2.4	0.20	1.05	84.4
	0.35		3.5		1.20	54.4
	0.50		5.0		1.37	37.1
	0.75	19/Copper	7.5		1.52	24.7
	1.00		10.2		1.72	18.5
	1.25		12.1		1.92	14.9
	1.50		14.8		1.97	12.7
HFSS M5374	0.35f	19/Copper	4.1	0.25	1.40	54.4
	0.50f		5.8	0.28	1.61	37.1
	0.75f		8.4	0.30	1.85	24.7
	1.00f	37/Copper	11.3		2.05	18.5
	1.25f		13.6		2.20	14.9
	1.50f		14.4		2.30	12.7
	2.00f		20.6	0.35	2.64	9.4

▶ **Performance Advantages**

Delphi Halogen Free Cable weighs less than PVC and XLPE cable due to the lower specific gravity of the insulation material. Ultra thin-wall cable combines significant reductions in both weight and diameter in a cable that exceeds ISO-6722 and SAE J1678 pinch and abrasion requirements.