

Braided hose

## VITRIMPACT™

Vitriimpact is a sleeve designed to provide superior cut through protection for electrical cables. The tough construction enables the product to absorb and disperse energy, thus preventing damage to the electrical cable inside. It also has a light, flexible structure that does not impede cable routing.

**Application:**

Automotive industry, aviation industry, medical equipment, industrial and environmental technology.

**Operating temperature:** -40°C up to +150°C

**Standard colors:** Orange or black.

Description	Nominal Size	
	mm	inch
Vitriimpact-3/8	10	3/8
Vitriimpact-1/2	13	1/2
Vitriimpact-5/8	16	5/8
Vitriimpact-3/4	19	3/4
Vitriimpact-1.0	25	1.0
Vitriimpact-1-1/4	32	1-1/4

**Key Benefits:**

- Exceptional abrasion protection and cut through resistance
- Lightweight and flexible
- Automotive fluid and chemical resistance
- Orange colored for high voltage cables in electrically powered vehicles

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**Packaging:** Typically cut to length for each application.  
Bulk spool sizes available.

Properties	Test Method	Typical Value
Flammability	SAE J 369	Self-extinguishing
Dynamic Cut-Through	ASTM 3032, section 22	1200 New Minimum
Impact resistance	Vitrica 's Method M;- FPM44 weight 8.5 lb, Height 700 mm end radius blade on impact 1/16"	No evidence any exposure of the cooper conductor after test
Abrasion resistance	ISO 6722	350.000 cycles minimum
Fluid resistance	Vitrica 's method M-FMP38	No signs of decomposition or loss of flexibility
Low temperature flexibility (8h x -70°C)	SAE J 2192	No signs of decomposition or loss of flexibility
Temperature/Humidity Cycling (3 cycles, after wrapped around mandrel 4X)	SAE J 2192	No signs of decomposition or loss of flexibility
Heat Aging (Long Term) (oven aging at 150°C / 2000h)	Vitrica 's method M-FPM37	No rupture, no cracks, no visible damage
Heat Aging (Short Term) (oven aging at 175°C / 240h)	Vitrica 's method M-FPM37	No rupture, no cracks, no visible damage