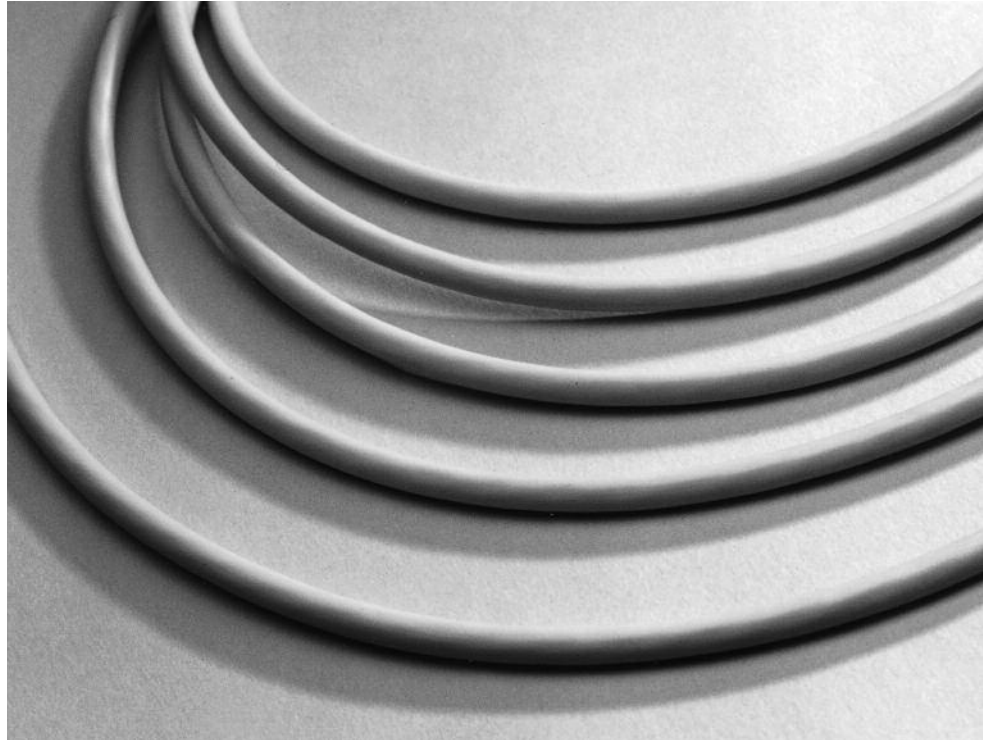


FDR25

Flexible, Diesel Resistant Wire and Cable Jacket Material

Product Facts

- Highly flame retardant
- Compatible with Raychem System 25 tubing, molded parts and adhesives
- Qualified to VG standards



Applications

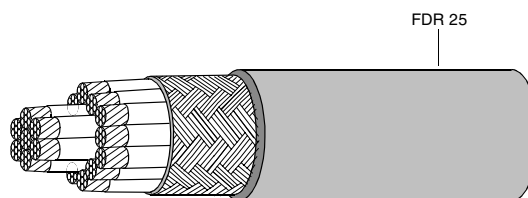
FDR 25 cable jacket was originally developed for the Leopard II main battle tank to provide an exceptional range of properties. Used in compartments exposed to hot diesel fuels and vibration, FDR 25 resists a wide range of aggressive fluids and offers excellent low temperature flexibility. These properties have also led to a widespread use of FDR 25 on other military vehicles and in many applications such as test and communications equipment. FDR 25 is fully compatible with the Raychem System 25 high performance harnessing system.

Operating Temperature Range

-40°C to 150°C
[-40°F to 302°F]

Available in:

- | | |
|--------------|---|
| Americas | ■ |
| Europe | ■ |
| Asia Pacific | ■ |



FDR25 (Continued)

Typical Characteristics when Tested in Accordance with TE Specification WCD 2002 (UK) and WCD 3304 (US)

Mechanical	Tensile strength (MPa)	20	
	Elongation (%)	500	
	Tear strength (N/mm)	5	
	Abrasion resistance (1.6 kg load)	40 scrapes min.	
Thermal aging	Cold bend	-40°C [-40°F]	
	Endurance IEC 60216-1	2500 h 150°C [302°F]	
	Heat aging 120h, 175°C [347°F]	TS 8 MPa (min). Eb 150% (min)	
	Heat shock 4 h at 225°C [437°F]	No cracks, drips or flowing, 6 mm total shrinkage in 300 mm	
Fluid resistance	24 h immersion	% Retention of properties	
		Tensile strength	Elongation
	Diesel fuels 70°C [158°F]	70	70
	Hydraulic fluids 50°C [122°F]	70	70
	Lubricating oils 70°C [158°F]	70	80
	Cleaning fluids 23°C [73°F]	90	95
Electrical	Deicing fluids 23°C [73°F]	90	95
	Insulation resistance 20°C [68°F] M ohm.km min.	2	
Other	45° flammability	30 s (max) afterburn 100 mm (max) burn length	
	Vertical flammability	Self extinguishing	
	Acid gas	4% HCl equivalent (max.)	