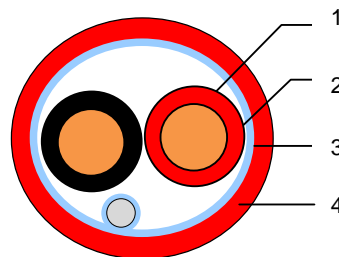


## 5320FME

**Multi-Conductor - Commercial applications**  
**2xAWG18 solid**  
**Silicone Rubber insulation**  
**Beldfoil shield**  
**FRPE sheath**



## Applications

Power limited fire protective signal circuit cable.

Suitable applications: Survivability, Survivability from Attack by Fire, Fire Alarm Circuit Integrity, Similar to Mineral Insulated, Emergency Circuits, Notification Devices, Fire Pumps, 2 hour fire rating

## Construction & Dimensions

### 1. Inner Conductor

Material	Solid bare copper
Size	AWG18
Diameter	1.02 mm

### 2. Insulation

Material	Silicone Rubber
Diameter over insulation	$2.7 \pm 0.1$ mm
Wall thickness	0.86 mm
Overall Cabling	2 wires stranded
Colour code	black – red

### 3. Outer shield

Shield	Beldfoil®
Shield Material	Aluminium / Polyester tape
Shield Thickness Alu	9 µm
Shield coverage	100%
Drain wire	AWG20 tinned copper

### 4. Sheath

Material	FRNC, FRPE- Flame Retardant PolyEthylene
Nominal thickness	1.1 mm
Nominal diameter	8.0 mm

## Environmental

Belden declares this product to be in compliance with the environmental regulations EU RoHS (Directive 2011/65/EU, 02 Jan. 2013); this is valid for all material produced after the RoHS compliant date for this product.



**Mechanical characteristics**

Parameter	Specification	Unit
Temperature range processing and operating	-20 to +105	°C
Temperature range storage	-30 to +105	°C
Maximum pulling tension	174	N
Minimum bending radius	10*D	
Cable weight	67	Kg/km

**Electrical characteristics**

Parameter	Specification	Unit
Nominal resistance conductor	19.2	Ω/km
Nominal resistance Outer Shield	29.5	Ω/km
Nom. capacitance conductor to conductor	89	pF/m
Voltage rating	300	V RMS

**Applicable Standards & Environmental Programs**

Specification	Status
Flame Retardant according to UL1666 Riser	Pass
Circuit integrity according to EN50200	PH120
Applicable fire tests	IEC 60331-23
EU Directive 2011/65/EU (ROHS II)	Yes
EU CE Mark	Yes
EU Directive 2000/53/EC (ELV)	Yes
EU Directive 2002/95/EC (RoHS)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	11/14/2005
EU Directive 2002/96/EC (WEEE)	Yes