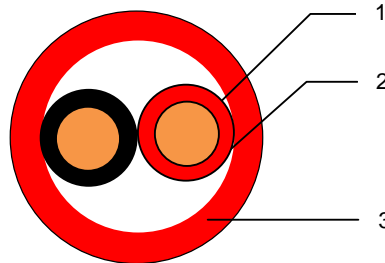


5220UZE

Multi-Conductor - Commercial applications
2xAWG16 solid
Silicone Rubber insulation
FRPE sheath

**Applications**

Power limited fire protective signal circuit cable.

Suitable applications: Survivability, Survivability from Attach by Fire, Fire Alarm Circuit Integrity, Similar to Mineral Insulated, Emergency Circuits, Notification Devices, Fire Pumps, 3 hour fire rating

Construction & Dimensions**1. Inner Conductor**

Material	Solid bare copper
Size	AWG16
Diameter	1.29 mm

2. Insulation

Material	Silicone Rubber
Diameter over insulation	3.1 ± 0.1 mm
Wall thickness	0.9 mm
Overall Cabling	2 conductors cabled
Colour code	black – red

3. Sheath

Material	FRNC, FRPE- Flame Retardant PolyEthylene
Nominal thickness	1.4 mm
Nominal diameter	9.0 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	278	N
Minimum bending radius	10*D	
Cable weight	85	Kg/km

Electrical characteristics

Parameter	Specification	Unit
Nominal resistance conductor	13.1	Ω/km
Nom. capacitance conductor to conductor	49	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
Circuit integrity according to BS 6387:2013	Categories CWZ
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