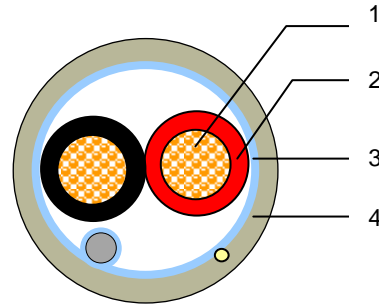


4500FE

Intercom/PA Systems, Sound/Audio Systems
2xAWG22 (7xAWG30) stranded
Polyolefin insulation
Beldfoil shield
FRNC sheath



Applications

- Intercom/PA Systems, Sound/Audio Systems.

1. Inner Conductor

Material	Stranded bare copper
Diameter	0.75 mm AWG22 (7xAWG30)

2. Insulation

Material	Polyolefin
Diameter over insulation	1.07 ± 0.05 mm
Wall thickness	0.2 mm
Colour of insulation	black – red

3. Outer shield

Shield	Beldfoil®)
Shield material	Aluminium / Polyester tape
Shield thickness Alu	9 µm
Shield coverage	100%
Drain wire	AWG24/7 stranded tinned copper

4. Sheath

Material	FRNC
Colour	Grey
Nominal thickness	0.4 mm
Nominal diameter	3.20 mm
Ripcord	Provided under the sheath

Mechanical characteristics

Parameter	Specification	Unit
Flame Retardant according to	IEC 60332-1	
Smoke density	IEC 61034	
Halogen content according to	IEC 60754-1	
Corrosivity of fire gasses according to	IEC 60754-2	
Conductivity	≤ 100	μS/cm
pH value	≥ 4.3	
Temperature range processing and operating	-20 to +70	°C
Temperature range storage	-30 to +70	°C
Maximum pulling tension	30	N
Minimum bending/setting radius	5*D/10*D	

Electrical characteristics

Parameter	Specification	Unit
Nominal resistance conductor	54	Ω/km
Nominal resistance shield	54	Ω/km
Nom. capacitance conductor to conductor @ 1kHz	150	pF/m
Nom. capacitance cond. to shield + other cond. @ 1kHz	285	pF/m
Test voltage conductor-conductor	2500	VDC,3 seconds
Test voltage conductor-screen	2500	VDC,3 seconds
Voltage rating	300	V RMS
Maximum continues current per conductor @ 25 °C	2.8	A per conductor



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.