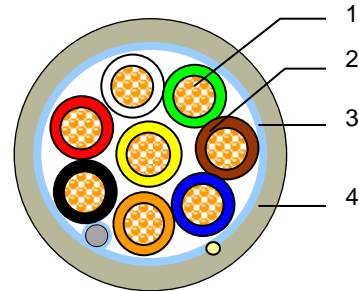


4506FE

Intercom/PA Systems, Sound/Audio Systems
8xAWG22 (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 – white – green – brown – blue – orange – yellow

3. Outer shield

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

4. Sheath

Material	FRNC
Colour	Grey
Nominal thickness	0.4 mm
Nominal diameter	4.75 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	135	N
Minimum bending/setting radius	5*D/10*D	

Electrical characteristics

Parameter	Specification	Unit
Nominal resistance conductor	54	Ω/km
Nominal resistance shield	46	Ω/km
Nom. capacitance conductor to conductor @ 1kHz	105	pF/m
Nom. capacitance cond. to shield + other cond. @ 1kHz	185	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	2.0	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.