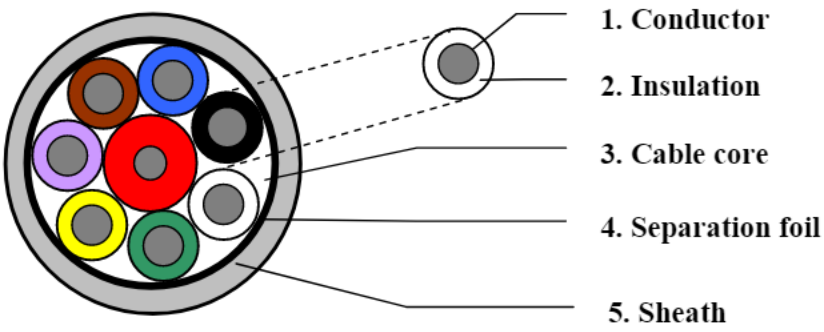
BELDEN SENDING ALL THE RIGHT SIGNALS	TECHNICAL DATA SHEET	code	43907NH
		version	1
		date	2007-02-22
	Speaker cable 8x2. 50 mm² AWG 14	page	1/2

APPLICATION

Speaker cable for use in indoor or outdoor applications

CONSTRUCTION



Element:

1.	**Conductor**	
	Material	Stranded bare copper
	Dimensions	320 x 0.10 mm (AWG 13)
2.	**Insulation**	
	Material	PE
	Diameter over insulation	2.85 ± 0.10 mm
	Diameter over insulation central conductor	3.75 ± 0.10 mm
	Color of insulated conductors	Blue, black, white, green, yellow, purple, brown
	Color of insulated central conductor	Red
	Stranding laylength	150 mm
3.	**Cablecore**	8 elements twisted together
4.	**Separation foil**	
	Material	Non woven foil
	Dimensions	60 x 0.05 mm
	Coverage	100 %
5.	**Sheath**	
	Material	matte FRNC
	Diameter over sheath	12.40 ± 0.20 mm
	Color	grey or Black (UV resistant) See table Marking

REQUIREMENTS AND TEST METHODS

Electrical:

Maximum conductor DC resistance @ 20°C	≤ 8 Ω/km
Maximum operating voltage	300 V RMS
Maximum continuous current per conductor @ 25°C	9 A
Nominal capacitance at 1kHz	76 pF/m
Nominal inductance	< 1.2 uH/m
Testvoltage conductor-conductor	1kV= for 1min.
Insulation resistance at 20C	> 200 Mohm*km

Mechanical and physical:

Flametest	IEC 60332-1
Halogen content according to IEC754-1	zero
Corrosivity of fire gasses according to IEC754-2	
Conductivity	≤ 100 µS/cm
pH value	≥ 3.5
Max. pulling tension	1500N
Minimum bending radius	65 mm
Temperature range operating (moving instalation)	-5 to +60 ˚C
Temperature range operating (fixed installation)	-40 to +70 ˚C
Temperature range storage	-40 to +70 ˚C

MARKING

Grey	7000/9005	BELDEN 43907NH SPEAKER 8x2.5mm^2
Black	9005/1013	BELDEN 43907NH SPEAKER 8x2.5mm^2

Belden CDT believes this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.