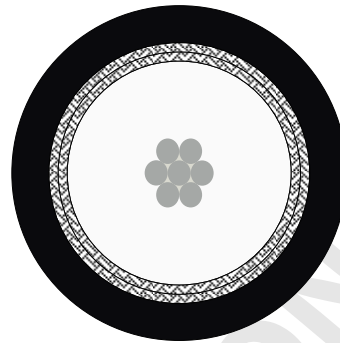


FlexLine® 214 LSZH

2YCCH 2.25/7.25-50 LI VS SW FRNC



Design

Inner conductor: Stranded silver-plated wire 7 X 0.75
Insulation of Polyethylene (PE)

∅ 2.25 mm (0.089 in dia)
∅ 7.3 mm (0.285 in dia)


1. Shield braiding of tinned copper wires
Coverage about 95%
2. Shield braiding of tinned copper wires
Coverage about 95%

∅ 8.6 mm (0.339 in dia)

Jacket:

Thermoplastic copolymer (FRNC) BK
Wall thickness about 1.0 mm

∅ (10.8 ±0.3) mm (0.425 ±0.012 in dia)

Printing: LEONI L * FlexLine® 214 LSZH * 2YCCH 2.25/7.25-50 LI VS *  AWM 1375
Textintervals about 500 mm

Electrical data at 20°C

Conductor resistance	≤	6.2	Ohm/km
Insulation resistance	≥	10	GOhm*km
Operating voltage (peak)	≤	250	V
Characteristic impedance		(50 ±2)	Ohm
Capacitance 800 Hz	≈	101	pF/m
Rel. velocity of propagation		66	%
Test voltage (wire/screen rms 50Hz 1min)	=	5	kV

Frequency (MHz)	30	100	200	400	500	1000	1250	2000	3000
Attenuation typ. (dB/100m) (dB/100ft)	3,3 (1,01)	5,2 (1,58)	8,0 (2,44)	12,7 (3,87)	14,8 (4,51)	24,4 (7,44)	28,9 (8,81)	38 (11,58)	50,1 (15,27)
Mean. Power (kW) at 40°C	2,7	1,4	1,1	0,73	0,65	0,46	0,41	0,32	0,26

Mechanical and thermal characteristics

Conductor/Screen material acc. to DIN EN 13602 Cu-ETP-A..-B

Flame retardant acc. to IEC 60332-1-2

UL-Style 1375 (80°C/30V)

Other characteristics:

Similar RG214 FRNC

RoHS compliant (Directive 2011/65/EC)

Sunlight resistant acc. to UL 1581 Sec.1200

Corrosivity of fire gases acc. to IEC 60754-2

Smoke-density acc. to IEC 61034

Halogen free acc. DIN VDE 0472, part 815

Determination of the amount of halogen acid gas acc. IEC 60754-1

Permissible temperature range, installation : -25°C (-13°F) up to +60 °C (140 °F)

Permissible temperature range, operation : -40°C (-40 °F) up to +80 °C (176 °F)

Min. bending radius allowed : repeated 6X ø, single 3X ø

Weight about : 202 kg/km (135,4 lb/1000ft)

Designation of order:

L45466-B18-B136

219831

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500 m (1640 ft) on non-returnable reel