

### Design

#### Wire

Stranded tinned copper wire 14 X 0.15 (24 AWG)  
Insulation of Polyvinylchloride (PVC)  
Wall thickness about 0.4 mm

ø 0.65 mm (0.026 in)  
ø 1.45 mm (0,057 in)

#### Core:

3 wires twisted  
Sequence of colors: BK-WH-RD  
Plastic tape, overlapped  
Shield braiding of tinned copper wires 0.1 mm dia (38 AWG)  
Coverage about 80%

ø 3.5 mm (0,138 in)

#### Jacket:

Polyvinylchloride (PVC) GY  
Wall thickness about 0.8 mm

ø (5.2 ±0.2) mm (0,205 ±0,008 in)

Printing: LEONI L \*  AWM STYLE 2464 80 °C 300V \* "internal lot number"

#### Electrical data at 20°C

Conductor resistance	≤	75.5	Ohm/km
Insulation resistance	≥	20	MOhm*km
Operating voltage (effective value to VDE)		250	V
Operating voltage (effective value to UL)		300	V
Operating voltage (peak)	≤	375	V
Test voltage (wire/wire/screen rms 50Hz 1min)		2000	V

#### Mechanical and thermal characteristics

Conductor material acc. to DIN EN 13602 Cu-ETP-A...-B  
Screen material acc. to DIN EN 13602 Cu-ETP-A...-B  
Insulating material acc. to DIN EN 50290-2-21 (VDE 0819), compoundtype TI53 (HD 624.1)  
Jacket material acc. to DIN EN 50290-2-22 (VDE 0819), compoundtype TM52 (HD 624.2)

UL-Style 2464

#### Other characteristics:

RoHS compliant (Directive 2002/95/EC)

Permissible temperature range : -30 °C (-22 °F) up to 70 °C (158 °F)  
Min. bending radius allowed : 15XD  
PVC weight with Phthalate : 16.1 Kg/km  
PVC weight without Phthalate : 5.3 Kg/km  
Weight about : 38 Kg/km (25 lb/1000ft)

#### Designation of order:

L45551-B31-A45  
211648  
L-ICY 3X1X0.25 VZN GR  
1000 m (3281 ft) on non-returnable reel

