

**Design****Wire**

Stranded tinned copper wire 65 X 0.127 (18 AWG)  
 Insulation of Polyvinylchloride (PVC)  
 Wall thickness about 0.4 mm

ø 1.2 mm (0,047 in)  
 ø 2.1 mm (0.083 in)

**Pair**

2 wires twisted to a pair

**Core:**


3 pairs + fillers  
 Sequence of colors: BK/YE - RD/GN - BU/BN  
 Plastic tape, overlapped  
 Shield braiding of tinned copper wires 0.127 mm dia (36 AWG)  
 Coverage about 85%  
 Plastic tape, overlapped

ø 8.1 mm (0,319 in)

**Jacket:**

Polyvinylchloride (PVC) GY  
 Wall thickness about 1,1 mm

ø (10.3 ±0.2) mm (0.406 ±0.008 in)

Printing: LEONI L \*  AWM 2464 80 °C 300V VW-1 3X2X18AWG  
 Textintervals about 500 mm

**Electrical data at 20°C**

|   |   |      |         |
|---|---|------|---------|
| Conductor resistance                          | ≤ | 25   | Ohm/km  |
| Insulation resistance                         | ≥ | 20   | MOhm*km |
| Operating voltage (peak)                      | ≤ | 300  | V       |
| Ampacity (up to 30°C)                         | ≤ | 14   | A       |
| Test voltage (wire/wire/screen rms 50Hz 1min) |   | 2500 | V       |

**Mechanical and thermal characteristics**

Conductor/Screen material acc. to DIN EN 13602 Cu-ETP-A...-B  
 Insulating material acc. to DIN EN 50290-2-21 (VDE 0819), compound type TI52 (HD 624.1)  
 Jacket material acc. to DIN EN 50290-2-22 (VDE 0819), compound type TM52 (HD 624.2)  
 Flame retardant acc. to UL 1581, Sec. 1080 (VW-1)

UL-Style 2464 (80°C/300V)

**Other characteristics:**

RoHS compliant (Directive 2002/95/EC)

Permissible temperature range : -30 °C (-22 °F) up to 80 °C (176 °F)  
 Min. bending radius allowed : repeated 8X ø, single 4X ø  
 PVC weight with Phthalate : 45.8 Kg/km  
 PVC weight without Phthalate : 19.0 Kg/km  
 Weight about : 139 Kg/km (93,2 lb/1000ft)

**Designation of order:**

L45551-E32-A5  
 210450  
 L-ICY 3X2X0.82 VZN GR  
 1000 m (3281 ft) on non-returnable reel

