

DESIGN

WIRE


STRANDED BARE COPPER WIRE (22 AWG)	: $\phi 0.76$ MM (0.030 IN DIA)
INSULATION OF FOAMED POLYETHYLENE (PE) WITH SKIN	: $\phi 1.80$ MM (0.071 IN DIA)

CORE

2 WIRES, WH AND BU TWISTED TO A PAIR + FILLERS
ALULAMINATE FOIL OVERLAPPED, APPLIED LONGITUDINALLY
SHIELD BRAIDING OF TINNED COPPER WIRES
COVERAGE ABOUT 90% : $\phi 4.2$ MM (0.165 IN DIA)

JACKET:

POLYURETHANE (PUR) BK : $\phi(5.8 \pm 0.3)$ MM (0.228 ± 0.012 IN DIA)

PRINTING: "SEQUENTIAL LENGTH IN METRES" * LEONI L * SINGLE PAIR ETHERNET (SPE) *
1X2X26AWG *  AWM STYLE 20233 80°C 300V * "YEAR/INTERNAL ORDER NUMBER"

MECHANICAL AND THERMAL CHARACTERISTICS

-INSULATING MATERIAL ACC. TO DIN EN 50290-2-23 (VDE 0819),
 TABLE 2/A (HD 624.3) (02Y)
 -JACKET MATERIAL ACC. TO F45052-F5100
 -FLAME RETARDANT ACC. TO IEC 60332-1-2
 -OIL RESISTANT ACC. TO DIN EN 60811-404 (7X24H/90°C)
 -UL-STYLE 20233 (80°C/300V)

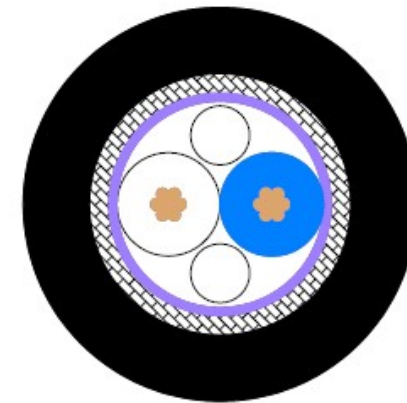
OTHER CHARACTERISTICS:

- SUITABLE FOR INDUSTRIAL ENVIRONMENT
 - ROHS COMPLIANT (DIRECTIVE 2011/65/EC)
 - HALOGEN FREE
 - UV-RESISTANT
- PERMISSIBLE TEMPERATURE RANGE
 - TRANSPORT AND FIXED INSTALLATION : -40 °C (-40 °F) UP TO 80 °C (176 °F)
 - INSTALLATION AND FLEXIBLE USE : -25 °C (-13 °F) UP TO 80 °C (176 °F)
 - MIN. BENDING RADIUS ALLOWED : REPEATED 8X Ø, SINGLE 4X Ø
 - WEIGHT ABOUT : 42 KG/KM (28,2 LB/1000FT)

ELECTRICAL DATA AT 20°C

ELECTRICAL REQUIREMENTS ACC. TO. IEC 61156-12 (DRAFT)

LOOP RESISTANCE	$\leq 120 \text{ OHM/KM}$
INSULATION RESISTANCE	$\geq 5 \text{ GOHM*KM}$
CAPACITANCE (1 KHZ)	$\approx 48 \text{ NF/KM}$
OPERATING VOLTAGE (PEAK)	$\leq 100 \text{ V}$
CHARACTERISTIC IMPEDANCE (100 MHZ)	$(100 \pm 5) \text{ OHM}$
TEST VOLTAGE (WIRE/WIRE/SCREEN RMS 50HZ 1MIN):	1000 V




THIS PRINT IS
PRELIMINARY
UNQUALIFIED PRODUCT
CONTACT PRODUCT ENGINEERING
BEFORE USING THIS PRINT

AS SHOWN 2368898-1

	1	PRELIMINARY DRAWING	05FEB2020	SS	PP
P	LTR	REVISION RECORD	DATE	DWN	APVD

DIMENSIONS:


mm



ANGLES ± —

SURFACE TEXTURE

TOLERANCES UNLESS OTHERWISE SPECIFIED		
0 PLC	\pm	—
1 PLC	\pm	—
2 PLC	\pm	—
3 PLC	\pm	—
4 PLC	\pm	—

OWN	05FEB2020	MATERIAL	HEAT TREAT	
S.SHARMA		-	-	
CHK	05FEB2020	-	-	
P.POORTER		 TE Connectivity		
APVD	05FEB2020			
P.POORTER				
NAME				
SPE Cable 22AWG				
SCALE	SIZE	DRAWING NO	SHEET	OF
1:1	A3	2368898	1	1
				REV
				1