

CHUAN WEI WIRE & CABLE CO.,LTD

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SPECIFICATION OF MULTI-CONDUCTOR COMPUTER CABLE UL20276 24AWG 2 CONDUCTOR AND 28AWG 1 PAIR AND (28AWG 1 PAIR+FILM+D)*2,ALUMINUM FOIL & BRAID SHIELD

1) MARKING: USB 3.0 CABLE ULAWM 20276 80°C 30V VW-1 E138961 CHUAN WEI (L.F)

2) WIRE:

1. 28AWG (7/0.127 TA), OD:0.38mm strand tinned copper, **FPE** insulation material, thickness 0.21mm, Insulation Diameter: 0.92mm
28AWG*(1 PAIR+ALUMINUM FOIL+28AWG DRAIN WIRE+MYLAR)*2
2. 28AWG (7/0.127 TA), OD:0.38mm strand tinned copper, **HDPE** insulation material, thickness 0.21mm, Insulation Diameter: 0.92mm
28AWG*1 PAIR.(WHITE/GREEN)
3. 24AWG(7/0.20 TA), OD:0.58mm strand tinned copper, **SR-PVC** insulation material, thickness 0.25mm, Insulation Diameter:1.1mm
24AWG*2CONDUCTRS. (BLACK/RED)

3) SHIELD:

1. ALUMINUM-FOIL/MYLAR:OVERLAP 25% MIN. (AL side outside)
2. DRAIN WIRE: 24AWG(7/0.20 TA).
3. BRAID:16/05/0.10 TA Coverage 85% MIN.

4) JACKET:

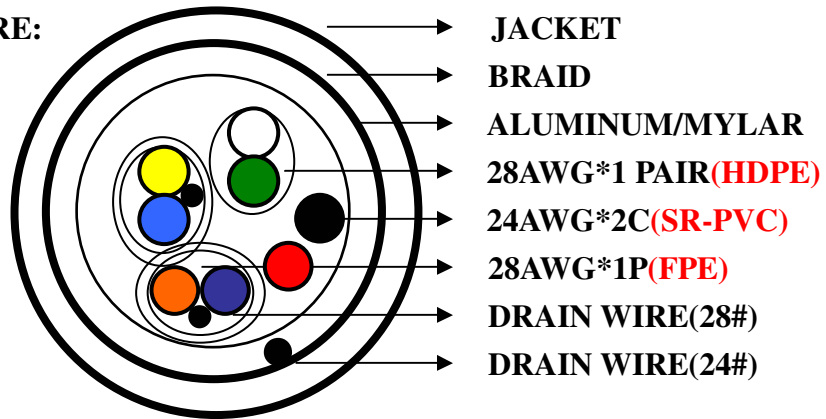
1. MATERIAL: PVC
2. THICKNESS: 1.0mm
3. OD:5.5mm +/- 0.12mm

5) CHARACTER:

1. VOLTAGE RATING: 30V.
2. TEMPERATURE RATING: 80°C.
3. CONDUCTOR RESISTANCE:
28AWG: 237Ω/KM MAX .at 20°C
24AWG: 92.82Ω/KM MAX .at 20°C
4. INSULATION RESISTANCE:
SR-PVC: DC-500V 10M Ω/KM MIN . at 20°C
FPE: DC-500V 100M Ω/KM MIN . at 20°C
5. DIELECTRIC STRENGTH: AC 750V/1 sec MIN
6. SPARK TEST: AC 2000V/0.15 sec MIN
7. FLAME-RETARDANT PROPERTIES: VERTICAL FLAM TEST VW-1
8. IMPEDANCE : measured at frequency: 10mhz

nominal impedance: **130 ohm±10ohm**

6) DETAIL OF STRUCTURE:



COLOR: 28AWG 1P-LIGHT GREEN

WHITE

24AWG 2C-BLACK

RED

28AWG 1P+AL+D: VIOLET/ORANGE

28AWG 1P+AL+D: YELLOW/BLUE