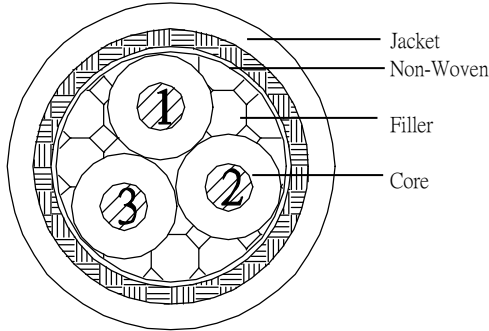


# Product Specification

Part No.:XB2517745

Style 2517 Jacketed Cord.

### Cross Section



### Marking

BELDEN E357312-S 3C20 SHIELDED  AWM STYLE 2517 105C  
300V VW-1 - - c  AWM I/II A/B 105C 300V FT1 ROHS

### Description

Rated Voltage (V) 300  
Rating Temperature (°C) Fixed installation: -40~105  
Certification UL  
Flame test UL VW-1

### Application

External interconnection or internal wiring of electronic equipment.

### Reference Standard

UL758&UL1581&customer's request

### Construction

|                              |                                 |
|------------------------------|---------------------------------|
| <b>3C</b>                    |                                 |
| <b>Conductor</b>             | <b>Stranded Tinned Copper</b>   |
| AWG                          | 20                              |
| Construction                 | 10/0.254                        |
| Stranded Dia. (mm)           | 0.93                            |
| <b>Insulation</b>            | <b>PVC</b>                      |
| Min. Thickness (mm)          | 0.24                            |
| Nom. Thickness (mm)          | 0.30                            |
| Insulation Dia. (±0.08mm)    | 1.70                            |
| <b>Assembly</b>              | <b>3C+Filler</b>                |
| Filler                       | Fibrilated Polypropylene Filler |
| Lay length                   | 4.0 In.(Max.)                   |
| TWISTED PER FOOT             | 3 Min.                          |
| <b>AL-Mylar</b> (coverage,%) | 100%                            |
| <b>Braid</b>                 | <b>Tinned Copper</b>            |
| Coverage(%)                  | ≥85%                            |
| <b>Jacket</b>                | <b>PVC(UV-resistant)</b>        |
| Min. Thickness (mm)          | 0.61                            |
| Nom. Thickness (mm)          | 0.76                            |
| Dia. (±0.25mm)               | 6.00                            |

### Color

#### Insulation:

1.Black 2.White 3.Green/Yellow

#### Jacket

Per request

### Performance

#### Electrical Characteristics(20°C)

|   |      |
|---|------|
| Max. Conductor DC Resistance (Ω/km)           | 36.7 |
| Dielectric Withstand AC (KV/min.)             | 2.0  |
| Max. continuous current per conductor at 30°C | 7.5A |

#### Mechanical Characteristics :

##### Testing Object

|                              |                      |
|------------------------------|----------------------|
| Testing Material             | <b>Jacket</b><br>PVC |
| Tension Strength(Mpa)        | ≥10.3                |
| Elongation (%)               | ≥100                 |
| Aging Condition (°C)         | 136±1°C X 168 hrs    |
| After Tensile Strength (Mpa) | ≥70% of original     |
| Aging Elongation (%)         | ≥65% of original     |
| Min. bending radius          | 15XOD                |

|                          |                           |
|--------------------------|---------------------------|
| Section 580 - Cold Bend  | -40±2°C x4hrs<br>No crack |
| Section 540 - Heat Shock | 136±2°C x1hr<br>No crack  |

Cable must meet the requirements of the Xenon-arc/water spray exposure UL1581.Minimum tensile strength and elongation after 720 hours of UV exposure shall be a least 80% of exposed samples.

Section 583 - Flexibility at low temperature at -25°C for 4 hours.

Section 1040 - Water absorption after 168 hours of submersion.

Section 1400 - Impact resistance

Section 595- Crushing resistance for an average of 1000N over ren point

Section 1510 - Abarion resistance for at least 800 cycles

### Sample Record

|                                 |  |         |
|---------------------------------|--|---------|
| Sample No. :                    |  |         |
| Original spec no.: SZ-B2517-790 |  | Rev.: 0 |
| Ref. spec No. : SK-B2517-745    |  | Rev.: 0 |

### Revision History

Prepared by: WENDY 2014/2/13 Table No.:T100 Rev.: 0  
Approved by: CICI CHENG 2014/2/13 Page 1 of 1