

Product Specification



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------|--|-------------------------------|------------------------|----|--------------------------------|-----|-------------------|---------|--|------------|-------------------|-----------|---------------------|------|--------------------|------|---------------------------|------|-----------------|------------|-----------|---|---------------------|-----|-------------------------------|----------------------|-------------|-----|---------------|----------------|---------------------|------|---------------------|------|----------------|------|--|--|--------------------|--|-------------------|---------------|---------------|--|----|-----|--------|------------------------|--------|--------|-------|----------------|-------|-------|----------------------|--|-------------|-------------------|-------|------------------------|-------------------|-------------------|-------|----------------|-------------------|-------------------|
| Part No.:XB25701006 | | Color | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;">Cross Section</p> | | Insulation: 1.BLACK 2.BLACK 3.BLACK 4.YELLOW/GREEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;">Marking</p> BELDEN E357312-S 4C1.5SQMM SHIELDED AWM STYLE 2570 80C 600V VW-1 ---c AWM I/II A/B 80C 600V FT1 ROHS | | Jacket: Per request | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;">Description</p> <table border="0"> <tr><td>Rated Voltage (V)</td><td>600</td></tr> <tr><td>Rated Temperature (°C)</td><td>80</td></tr> <tr><td>Product Standard Certification</td><td>UL</td></tr> <tr><td>Flammability Test</td><td>VW-1</td></tr> </table> The Insulation and Jacket is lead free. Application For internal wiring or external interconnection of electronic equipments or appliances Reference Standard UL758, UL1581 & CSA C22.2 No.210.2 | | Rated Voltage (V) | 600 | Rated Temperature (°C) | 80 | Product Standard Certification | UL | Flammability Test | VW-1 | <p style="text-align: center;">Performance</p> Electrical Characteristics: Max. DC Resistance at 20°C (Ω/km) 13.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated Voltage (V) | 600 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated Temperature (°C) | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Product Standard Certification | UL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flammability Test | VW-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;">Construction</p> <table border="0"> <tr><td>Conductor</td><td>Stranded Tinned Copper</td></tr> <tr><td>4 C</td><td></td></tr> <tr><td>Size(mm²)</td><td>1.5</td></tr> <tr><td>Construction (mm)</td><td>30/0.25</td></tr> <tr><td>Dia. (mm)</td><td>1.58(Nom.)</td></tr> <tr><td>Insulation</td><td>PE</td></tr> <tr><td>Min. Thickness (mm)</td><td>0.33</td></tr> <tr><td>Nom. Thickness(mm)</td><td>0.41</td></tr> <tr><td>Insulation Dia. (±0.10mm)</td><td>2.40</td></tr> <tr><td>Assembly</td><td>Yes</td></tr> <tr><td>Direction</td><td>S</td></tr> <tr><td>ALT wrap(Overlap,%)</td><td>≥25</td></tr> <tr><td>Braid(Construction,mm)</td><td>Tinned copper</td></tr> <tr><td>Coverage(%)</td><td>≥85</td></tr> <tr><td>Jacket</td><td>PVC(LF)</td></tr> <tr><td>Min. Thickness (mm)</td><td>0.75</td></tr> <tr><td>Nom. Thickness (mm)</td><td>0.94</td></tr> <tr><td>Dia. (±0.40mm)</td><td>8.20</td></tr> </table> | | Conductor | Stranded Tinned Copper | 4 C | | Size(mm ²) | 1.5 | Construction (mm) | 30/0.25 | Dia. (mm) | 1.58(Nom.) | Insulation | PE | Min. Thickness (mm) | 0.33 | Nom. Thickness(mm) | 0.41 | Insulation Dia. (±0.10mm) | 2.40 | Assembly | Yes | Direction | S | ALT wrap(Overlap,%) | ≥25 | Braid(Construction,mm) | Tinned copper | Coverage(%) | ≥85 | Jacket | PVC(LF) | Min. Thickness (mm) | 0.75 | Nom. Thickness (mm) | 0.94 | Dia. (±0.40mm) | 8.20 | Mechanical Characteristics: <table border="0"> <tr><td>Test Object</td><td></td><td>Insulation</td><td>Jacket</td></tr> <tr><td>Test Material</td><td></td><td>PE</td><td>PVC</td></tr> <tr><td>Before</td><td>Tensile Strength (Mpa)</td><td>≥ 1.68</td><td>≥ 10.3</td></tr> <tr><td>Aging</td><td>Elongation (%)</td><td>≥ 300</td><td>≥ 100</td></tr> <tr><td>Aging Condition (°C)</td><td></td><td>100 X 48hrs</td><td>113±1°C X 168 hrs</td></tr> <tr><td>After</td><td>Tensile Strength (Mpa)</td><td>≥ 75% of original</td><td>≥ 70% of original</td></tr> <tr><td>Aging</td><td>Elongation (%)</td><td>≥ 75% of original</td><td>≥ 65% of original</td></tr> </table> | | Test Object | | Insulation | Jacket | Test Material | | PE | PVC | Before | Tensile Strength (Mpa) | ≥ 1.68 | ≥ 10.3 | Aging | Elongation (%) | ≥ 300 | ≥ 100 | Aging Condition (°C) | | 100 X 48hrs | 113±1°C X 168 hrs | After | Tensile Strength (Mpa) | ≥ 75% of original | ≥ 70% of original | Aging | Elongation (%) | ≥ 75% of original | ≥ 65% of original |
| Conductor | Stranded Tinned Copper | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Size(mm ²) | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction (mm) | 30/0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dia. (mm) | 1.58(Nom.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Insulation | PE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Min. Thickness (mm) | 0.33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nom. Thickness(mm) | 0.41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Insulation Dia. (±0.10mm) | 2.40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Assembly | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Direction | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALT wrap(Overlap,%) | ≥25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Braid(Construction,mm) | Tinned copper | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coverage(%) | ≥85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jacket | PVC(LF) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Min. Thickness (mm) | 0.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nom. Thickness (mm) | 0.94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dia. (±0.40mm) | 8.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Object | | Insulation | Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Material | | PE | PVC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Before | Tensile Strength (Mpa) | ≥ 1.68 | ≥ 10.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aging | Elongation (%) | ≥ 300 | ≥ 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aging Condition (°C) | | 100 X 48hrs | 113±1°C X 168 hrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| After | Tensile Strength (Mpa) | ≥ 75% of original | ≥ 70% of original | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aging | Elongation (%) | ≥ 75% of original | ≥ 65% of original | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Sample Record | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Sample No. : | Rev.: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Original spec no.: | Rev.: 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Ref. spec No. : SK-B2570-1006 | Rev.: 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Revision History | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Prepared by: YANGHUA 2012/11/14 | Table No.:T100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Approved by: CICICHENG 2012/11/14 | Rev.: 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Page 1 of 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

© 2016 Belden, Inc
 All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale.