



Specification

STATION WIRE

Description

| | | | |
|---------------|--------------|--|--|
| 1. Conductor | Material | Bare Copper | |
| | Construction | 1/0.61±0.015mm | |
| 2. Insulation | Material | HD-PE | |
| | Thickness | MIN at any point : 0.13mm MIN AVG : 0.155mm MAX AVG : 0.175mm | |
| | Diameter | 0.96±0.04mm | |
| | Colors | Red, Black, Yellow, Green | |
| | | | |
| 3. Jacket | Material | PVC (FT4 flame requirements) | |
| | Thickness | MIN at any point : 0.32mm | |
| | Diameter | 3.1±0.2mm | |
| | Color | Assorted upon request | |
| | Printing | Assorted upon request | |
| 4. Packing | Pull-box | 300m/box (2400 Boxes/40HQ G.W. : 13440 KGS Up to discharge port weight required) | |
| | | | |



UL # E356794



Insulator & Electrical characteristics

| Test subject | Insulation | | | | Sheath |
|--|------------|-----------|-----------|--------|--------|
| Material | PE | | FRPE | SR-PVC | PVC |
| | LDPE | HDPE | | | |
| 1. Room temperatur characteristic | | | | | |
| . Tensile strength(MIN.) Mpa | 9.7 | 16.5 | 8.3 | 20.7 | 13.8 |
| lbf/in2 | 1400 | 2400 | 1200 | 300 | 2000 |
| kgf/mm2 | 0.99 | 1.69 | 0.85 | 2.11 | 1.41 |
| . Coefficient of expansion(MIN.)(%) | 350 | 300 | 300 | 100 | 100 |
| 2. Characteristic after heat | | | | | |
| . Temperature(°C) | 100±2 | 100±2 | 100±2 | 113±2 | 100±2 |
| . Day | 2 | 2 | 2 | 7 | 10 |
| . Rate of remain after aging(MIN.)(%) | | | | | |
| - Tensile strength(MIN.)(%) | 75 | 75 | 75 | 70 | 85 |
| - Coefficient of expansion(MIN.)(%) | 75 | 75 | 75 | 70 | 50 |
| 3. Characterisitc of heat shrink | | | | | |
| . Temperature(°C) | 115±2 | 115±2 | 115±2 | - | - |
| . Hour | 1 | 1 | 1 | - | - |
| . Sample Length(mm) | 150 | 150 | 150 | - | - |
| . MAX shrink length(mm) | 9.5 | 9.5 | 9.5 | - | - |
| 4. Characteristic of low temerature wrapping | | | | | |
| . Temperature(°C) | -17 ~ -22 | -17 ~ -22 | -17 ~ -22 | - | - |
| . Hour | 4 | 4 | 4 | - | - |
| . Sample Length(mm) | 6.35 | 6.35 | 6.35 | - | - |
| . Number of wrapping test | 5 | 5 | 5 | - | - |
| . Result | no crack | no crack | no crack | - | - |