

# #2210 8 Pair 30 AWG Screened LSZH UL 444



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Part NO: #2210

Product Code: RGW-1998

### Product Description

#### Application:

HALOGEN FREE SCREENED SYMMETRICAL CABLE FOR INDOOR USE

#### Multi-construction

8 Pair

#### Construction

|                               |                             |
|-------------------------------|-----------------------------|
| <b>8 Pair</b>                 | <b>Silver Plated Copper</b> |
| Construction                  | 0.25+/-0.005mm              |
| Standard Dia.(mm)             | 0.25                        |
| <b>Insulation</b>             | <b>SPE</b>                  |
| Thickness(mm)                 | 0.25                        |
| Insulation Dia.(mm)           | 0.52+/-0.02mm × 2C twist    |
| Insulation Color              | See Table 1                 |
| <b>Filler</b>                 | <b>Plastic Rope</b>         |
| <b>Total Al-Pet-Al Shield</b> | <b>≥115% (alum out)</b>     |
| <b>Braiding</b>               | <b>Tinned Copper</b>        |
| Construction(mm)              | T0.10±0.005 × 16 × 5        |
| Coverage(%)                   | ≥30%                        |
| <b>Jacket</b>                 | <b>LSZH</b>                 |
| Thickness(mm)                 | 0.65                        |
| Dia.(mm)                      | 5.00+/-0.30mm               |
| Jacket Color                  | Black                       |

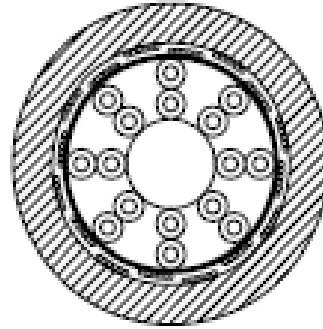
#### PACKAGING

500M/Wooden Drum

#### Marking (white ink; )

RG Wire & Cable #2210 E478021 UL 444 CM 8 Pair  
30 AWG 75 C [WeekYear] 001m.....500m  
Bending Radius Min 31mm  
Pulling Force Max 40N

### Design



### Electrical Characteristics

|  |   |
|--|---|
| Max.Conductor DC Resistance at 20°C (Ω/Km)   | <360  |
| Rated Temperature(°C)                        | -40 to +75                                    |
| Rated voltage(V)                             | 100   |
| Min.Insulation DC Resistance at 20°C (MΩ*KM) | 5000  |
| Resistance Unbalance                         | Max 4%  |
| Dielectric strength (conductor-conductor)    | 2.5kV DC 2 sec                                |
| Dielectric strength (conductor-shield)       | 2.5kV DC 2 sec                                |
| Capacitance Unbalance @ 1KHz (pF/500m)       | 150 Max                                       |
| Capacitance mutual(pF/m)                     | 52  |
| Capacitance Earth Unbalance@ 1KHz (pF/Km)    | Max 1600                                      |
| Characteristic impedance(Ω) 10 - 100MHz      | 100±10  |
| Resistance Screen                            | Max 40 mΩ/m                                   |
| Transfer Impedance @ 30 MHz                  | Max 10 mΩ/m                                   |
| Screening Attenuation 30-100 MHz             | Min 50 dB                                     |
| Attenuation 1-100MHz(dB/100m)                | Max 6*/(f/fo)                                 |
| Return Loss                                  | 4 - 10 MHz 18+5*log <sub>10</sub> (f/fo)      |
|  | 10 - 20 MHz 23 dB                             |
|  | 20 - 100 MHz 23-7*log <sub>10</sub> (f/fo*20) |
| Near End Crosstalk NEXT 1 -100 MHz(dB)       | 54-15*log <sub>10</sub> (f/fo)                |
| Far End Crosstalk ELFEXT 1-100 MHz (dB/100m) | 57-20*log <sub>10</sub> (f/fo)                |
| Velocity of Propagation 4 - 100 MHz          | Min 0.18 Gm/s                                 |
| Delay Skew 4 - 100 MHz                       | Max 0.45 ns/m                                 |
| Fire Propeties                               | UL 1685 CM<br>IEC 60332-3-C                   |
| Amount of Acid Gas (IEC 60754-2)             | Max 1%  |

Table 1

| Pair NO: | Color        |        |
|----------|--------------|--------|
|          | A            | B      |
| 1        | White/Blue   | Blue   |
| 2        | White/Orange | Orange |
| 3        | White/Green  | Green  |
| 4        | White/Brown  | Brown  |
| 5        | Red/Blue     | Blue   |
| 6        | Red/Orange   | Orange |
| 7        | Red/Green    | Green  |
| 8        | Red/Brown    | Brown  |

### RoHS GUIDELINE

We operate according to the following standards

| Control Item                         | Standard  | Testing Method  | Testing Equipment |
|--------------------------------------|-----------|-----------------|-------------------|
| Cadmium content (Cd)                 | <0.01%    | EN1122          | ICP-AES           |
| Lead content (Pb)                    | <0.1%     | EPA3050B        | ICP-AES           |
| Mercury content (Hg)                 | <0.1%     | EPA3052         | ICP-AES           |
| Chromium (VI) content                | <0.1%     | EPA3060(UN-VIS) | ICP-AES           |
| Polybrominated Biphenyls (PBB)       | Forbidden | GC/MS           |                   |
| Polybrominated Diphenyl Ether (PBDE) | Forbidden | GC/MC           |                   |

### Revision History

A04 Update UL file number 2017-02-17

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