

# Flat Ribbon Cable



## Features

- Suitable for use with all commonly available IDC connectors
- Consists of parallel stranded tinned copper wire conductors laminated between layers of grey PVC film to form a flat ribbon cable
- The laminate ensures precise alignment and spacing between conductors



## Flat Ribbon Wire

|                    |            |
|--------------------|------------|
| UL Style           | 2651       |
| Rated Temperature  | 105 °C     |
| Rated Voltage      | 300 V      |
| Fire Behaviour     | UL VW-1    |
| Colour             | Grey       |
| Pitch              | 1.27 mm    |
| Original Packaging | 30 m       |
| Shielding          | Unshielded |

## Conductor

|             |               |
|-------------|---------------|
| AWG Size    | 28 AWG        |
| Composition | 7 / 0.127 mm  |
| Material    | Tinned Copper |
| Thickness   | 0.85 mm       |

## Insulation

|                      |      |
|----------------------|------|
| Material             | PVC  |
| Insulation Thickness | 9 mm |

## Physical Properties

|                          |                            |
|--------------------------|----------------------------|
| Average Tensile Strength | 1500 lbs/inch <sup>2</sup> |
| Average Elongation       | 200%                       |

## Electric Characteristics

|                          |               |
|--------------------------|---------------|
| Spark Test               | 2.5 kV        |
| Dielectric Strength Test | 2 kV in 1 min |
| Conductor Resistance     | 237 Ohm/km    |
| Insulation Resistance    | 100 MOhm/km   |
| Capacity                 | 40 pF/m       |
| Inductance               | 1.45 µH/m     |
| Impedance                | 100 Ohm       |
| Propagation Delay Time   | 4.2 ns/m      |

## Product Range:

| Article Nr.   | Poles | Width    |
|---------------|-------|----------|
| RND 475-00719 | 10    | 12.7 mm  |
| RND 475-00720 | 14    | 17.78 mm |
| RND 475-00721 | 16    | 20.32 mm |
| RND 475-00722 | 20    | 25.4 mm  |
| RND 475-00723 | 25    | 31.75 mm |
| RND 475-00724 | 26    | 33.02 mm |
| RND 475-00725 | 34    | 43.18 mm |
| RND 475-00726 | 40    | 50.8 mm  |
| RND 475-00727 | 50    | 63.5 mm  |

## Drawing

### CONSTRUCTION DRAWING

