

# Industrial Data Transmission Cable

## Multipairs individual and overall Foiled Shield (CMI)

Low capacitance, twisted pairs with foiled shield

100 Ohms +/-20% Impedance

UL type CM CSA PCC

75°C, 300 Volt

Conductor: Stranded concentric tinned copper

Insulation: Polyethylene

Shield: Individual and overall Aluminium polyester Foil with 7 strands tinned copper drain wire

Jacket: PVC grey color

Application: This cable also called low capacitance cables and application almost for Balanced Circuited Signal\* data transmission between data communication equipment and data terminal equipment. Due to very low capacitance these cables can extended distance with balanced pairs applications.

\* Balanced circuited signal [RS-485](#), [RS-422](#) or [RS-232C](#)



| Description     | AWG        | Conductor Stranded (No/mm) | No. of Pairs | Insulation Thickness mm | Nominal OD. mm | Jacket Material | Nominal Pairs Cap.pF/m | Part Number |          |
|-----------------|------------|----------------------------|--------------|-------------------------|----------------|-----------------|------------------------|-------------|----------|
| <b>CM</b>       | 24         | 7/0.20                     | 2            | 0.35                    | 6.5            | PVC             | 48                     | CMI2402P    |          |
|                 | 24         | 7/0.20                     | 3            | 0.35                    | 6.8            | PVC             | 48                     | CMI2403P    |          |
|                 | 24         | 7/0.20                     | 4            | 0.35                    | 7.6            | PVC             | 48                     | CMI2404P    |          |
|                 | 24         | 7/0.20                     | 6            | 0.35                    | 8.8            | PVC             | 48                     | CMI2406P    |          |
|                 | 24         | 7/0.20                     | 8            | 0.35                    | 9.7            | PVC             | 48                     | CMI2408P    |          |
|                 | 24         | 7/0.20                     | 12           | 0.35                    | 11.6           | PVC             | 48                     | CMI2412P    |          |
| <b>CSA type</b> | 22         | 7/0.254                    | 2            | 0.4                     | 7.2            | PVC             | 48                     | CMI2202P    |          |
|                 | 22         | 7/0.254                    | 3            | 0.4                     | 7.9            | PVC             | 48                     | CMI2203P    |          |
|                 | <b>PCC</b> | 22                         | 7/0.254      | 4                       | 0.4            | 8.7             | PVC                    | 48          | CMI2204P |
|                 |            | 22                         | 7/0.254      | 6                       | 0.4            | 10.4            | PVC                    | 48          | CMI2206P |
|                 |            | 22                         | 7/0.254      | 8                       | 0.4            | 11.2            | PVC                    | 48          | CMI2208P |
|                 |            | 22                         | 7/0.254      | 12                      | 0.4            | 13.8            | PVC                    | 48          | CMI2212P |

