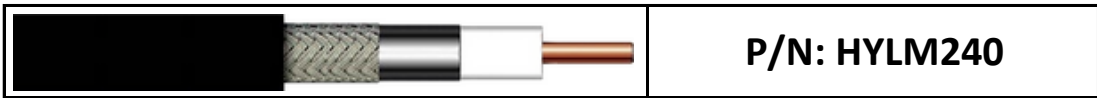


LOW LOSS FLEXIBLE COAXIAL CABLE



P/N: HYLM240

SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS

| | |
|--------------------------------------------------------|--------------------------------|
| Type de câble / <i>Cable type</i> | Low loss flexible |
| Températures d'utilisation / <i>Temperature range</i> | -40 °C ~ +80 °C |
| Rayon de courbure minimum / <i>Minimum bend radius</i> | 19.1 mm (stat) / 63.5 mm (dyn) |
| Poids / <i>Weight</i> | 50 kg/km |

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

| | |
|---------------------------------------------------------|----------------------|
| Frequence d'utilisation / <i>Frequency range</i> | DC ~ 6 GHz |
| Impédance / <i>Impedance</i> | 50 Ohms |
| Capacité / <i>Capacitance</i> | 79.4 pF/m |
| Vitesse de propagation / <i>Velocity of propagation</i> | 84 % |
| Efficacité de blindage / <i>Shielding effectiveness</i> | 90 dB (min) |
| Retard linéique / <i>Time delay</i> | 3.97 ns/m |
| Tension d'utilisation / <i>Voltage Withstand</i> | 1500 Vdc / 5000 Vrms |

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

| | |
|-----------------------------------------------|------------------------|
| Conducteur central / <i>Inner conductor</i> | Solid BC Ø 1 x 1.42 mm |
| Diélectrique / <i>Dielectric</i> | Foam PE Ø 3.81 mm |
| Conducteur extérieur / <i>Outer conductor</i> | Al tape Ø 3.94 mm |
| Tresse de blindage / <i>Shield braid</i> | TPC Ø 4.52 mm |
| Gaine et Couleur / <i>Jacket and Color</i> | Black PE Ø 6.10 mm |

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

| | | | | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frequency (MHz) | 30 | 50 | 150 | 220 | 450 | 900 | 1500 | 1800 | 2000 | 2500 | 5800 |
| Typical attenuation (dB/m) | 0,044 | 0,057 | 0,099 | 0,120 | 0,173 | 0,248 | 0,324 | 0,356 | 0,377 | 0,424 | 0,668 |
| Typical attenuation (dB/m) = ((0.24208 x √(FMHz)) + (0.00033 x FMHz))/30.48 with VSWR = 1.0 and Temperature = 25 °C | | | | | | | | | | | |
| Max power handling (W/cw) | 1490 | 1150 | 660 | 540 | 380 | 260 | 200 | 180 | 170 | 150 | 100 |
| Max power handling with VSWR = 1.0, Temperature = 40 °C, sea level, dry air, atmospheric pressure and no solar loading | | | | | | | | | | | |

ATTENUATION (dB/m) / TYPICAL ATTENUATION (dB/m) vs FREQUENCY (MHz)

