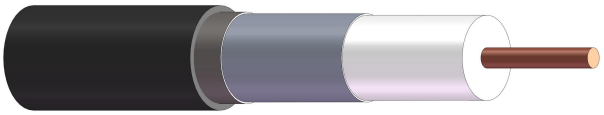
# KL 412F Trunk Cable

## PRODUCT DESCRIPTION



- The high-performance of attenuation allows coaxial cable to be used in various broadband networks.
- Outstanding flexibility, reliability, and cost effectiveness.
- Lower VSWR and perfect shielding effectiveness lead to fewer energy loss and outer interference.

## CONSTRUCTION

| | | |
|---|---|---|
| Inner conductor | Copper clad aluminum | Φ 2.26mm |
| Insulation | Physically foamed PE | Φ 9.19mm |
| Outer conductor | Argon arc welded aluminum tube | |
| Flooding | Non-dripping Flooding Compound | |
| Jacket | Black PE | Φ 11.99mm |

## MECHANICAL PROPERTIES

| | | |
|---|---|---|
| Cable length | m | 500/750/1000 |
| Min. bending radius, standard | mm | 152 |
| Max. tensile force | N | 680 |

## ELECTRICAL PROPERTIES

| | | |
|---|---|---|
| Impedance | Ω | 75±2 |
| Propagation velocity | % | 87 |
| Capacitance | pF/m | 50 |
| Jacket spark test RMS | kV | 5.0 |
| Insulation resistance | MΩ•km | >5000 |
| Screening attenuation | dB | ≥110 |
| Structural return loss | dB | 24@5~1000MHz |

## ATTENUATION

| Frequency | Attenuation | Attenuation |
|---|---|---|
| MHz | @20℃, dB/100m | @20℃, dB/100ft |
| 5 | 0.66 | 0.20 |
| 55 | 2.23 | 0.68 |
| 211 | 4.43 | 1.35 |
| 250 | 4.89 | 1.49 |
| 270 | 5.09 | 1.55 |
| 300 | 5.38 | 1.64 |
| 330 | 5.67 | 1.73 |
| 350 | 5.84 | 1.78 |
| 400 | 6.27 | 1.91 |
| 450 | 6.72 | 2.05 |
| 500 | 7.08 | 2.16 |
| 550 | 7.41 | 2.26 |
| 600 | 7.76 | 2.37 |
| 750 | 8.79 | 2.68 |
| 870 | 9.54 | 2.91 |
| 1000 | 10.27 | 3.13 |
| 1218 | 11.50 | 3.51 |

Attention values may be with a tolerance of ±5%.

## ENVIRONMENTAL PROPERTIES

| | |
|---|---|
| RoHS 2011/65/EU | Compliant |