# 轻型微波稳相同轴电缆
# Lightweight Phase-Stable Coaxial Cables

采用镀银铜包铝导体的轻型稳相同轴电缆。
Lightweight phase-stable coaxial cables with silver-plated copper-clad aluminium conductors.

## 基础产品规格 / BASIC PRODUCT SPECIFICATION

| 参数<br>Parameter | 数值<br>Value | 说明<br>Description |
|---|---|---|
| 标称阻抗<br>Nominal impedance | 50 Ω | 产品规格 / Product specification |

## 主要材料 / Main materials

| 结构<br>Component | 材料<br>Material |
|---|---|
| 导体<br>Conductor | 镀银铜包铝。<br>Silver-plated copper-clad aluminium. |
| 绝缘介质<br>Dielectric | ePTFE / LD-PTFE。<br>ePTFE / LD-PTFE. |
| 护套<br>Jacket | 氟塑料，默认 FEP，可按环境选择 ETFE 等。<br>Fluoropolymer; FEP by default, with ETFE and other options according to environment. |

## 轻型结构 / Lightweight constructions

| 型号<br>Code | 中心导体<br>Centre conductor (mm) | 完成外径<br>Overall diameter (mm) | 重量<br>Mass (g/m) |
|---|---|---|---|
| CM-COAX-PS-LW-OD2P20 | 0.51 | 2.2 | 11.5 |
| CM-COAX-PS-LW-OD3P60 | 0.914 ± 0.008 | 3.60 ± 0.10 | ≤23 |
| CM-COAX-PS-LW-OD4P20 | 1.1 | 4.2 | 29.5 |
| CM-COAX-PS-LW-OD4P82 | 1.37 | 4.82 | 40 |
| CM-COAX-PS-LW-OD7P30 | 2.15 | 7.3 | 85 |

尺寸、材料与供货配置以订货规格为准；- 表示未列出。结构图仅适用各图标注的型号。
Dimensions, materials and supply configuration are governed by the order specification. A dash means not listed. Construction diagrams apply only to the models identified on each diagram.

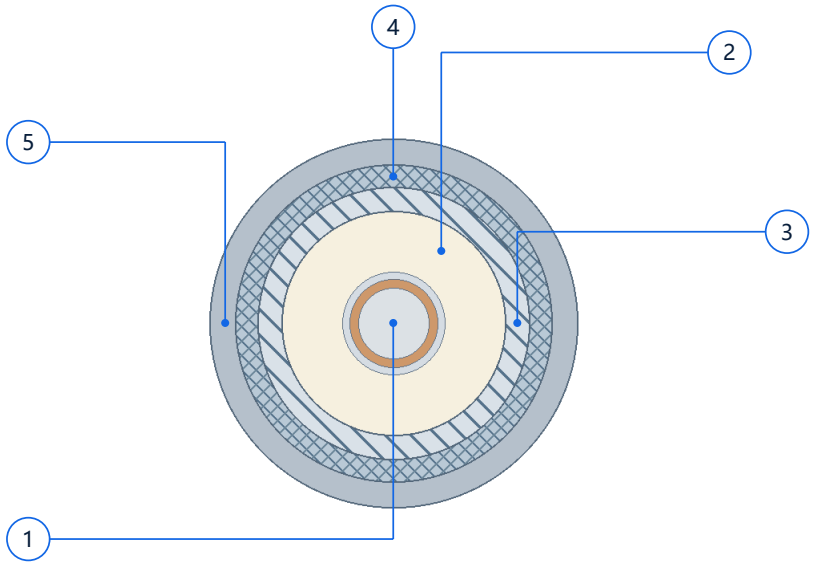
## CM-COAX-PS-LW-OD3P60

| 参数<br>Parameter | 数值<br>Value | 说明<br>Description |
|---|---|---|
| 特性阻抗<br>Impedance | 50 ± 2 Ω | 产品规格 / Product specification |
| 电容<br>Capacitance | ≤85 pF/m | 产品规格 / Product specification |
| 最小弯曲半径<br>Min. bend radius | 17.5 mm | 产品规格 / Product specification |
| 工作温度<br>Operating temperature | -55 to +165 °C | 产品规格 / Product specification |

## 结构与材料 / Construction and materials

### CM-COAX-PS-LW-OD3P60

适用型号：CM-COAX-PS-LW-OD3P60
Applies to CM-COAX-PS-LW-OD3P60




主要结构示意，非比例图；颜色及尺寸以具体型号为准。
Main construction illustration, not to scale. Colours and dimensions depend on model.

CONMOLY 主要结构示意
CONMOLY main construction illustration

| 标号<br>ID | 结构<br>Component | 材料说明<br>Material |
|---|---|---|
| 1 | 中心导体<br>Centre conductor | 19AWG 镀银铜包铝中心导体<br>19 AWG silver-plated copper-clad aluminium centre conductor |
| 2 | 绝缘介质<br>Dielectric | ePTFE / LD-PTFE（低密度PTFE介质）<br>ePTFE / LD-PTFE (low-density PTFE dielectric) |
| 3 | 外导体<br>Outer conductor | 镀银铜扁带螺旋绕包<br>Helically wrapped silver-plated copper flat tape |
| 4 | 编织屏蔽<br>Braided shield | 镀银铜包铝丝编织屏蔽，覆盖率≥90%<br>Silver-plated copper-clad aluminium wire braid, coverage ≥90% |
| 5 | 外护套<br>Outer jacket | 氟塑料护套；默认FEP，可根据使用环境选择ETFE等<br>Fluoropolymer jacket; FEP by default, with ETFE and other options selected for the service environment |