Coaxial cable for camera with bending and twisting resistance

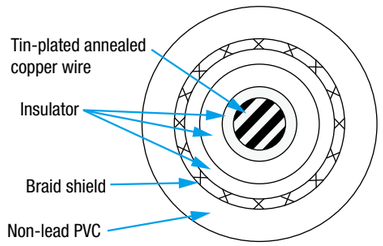
# CO-PPFV-SX

## Features

- Realizes a high bending characteristic by using our original copper alloy.
- Realizes a low attenuation characteristic by adopting our original three-layered insulating structure.

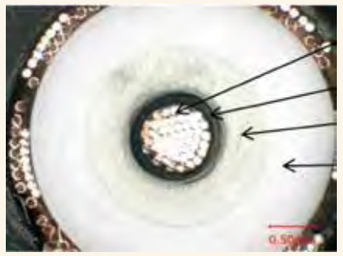
## Use

- For connection to a camera sensor




Example of cable structure

Featured three-layer structure!




Three layers are combined so that low attenuation and a crack-prevented insulator can coexist, thereby enabling use in a small area.

## Characteristics

- Rating temperature: 80°C
- Rating voltage: 30 V

U-shape bending / ±90° bending / Twisting / Small diameter / Characteristic impedance 75(Ω) / RoHS conformity

## Cable structure and performance

| Item | | Unit | Standard values of various coaxial cables | |
|---|---|---|---|---|
| | | | ①1X24AWG | ②1X30AWG |
| Conductor | Configuration | No./mm | 50/0.08 | 19/0.06 |
| | Outer diameter | mm | 0.65 | 0.30 |
| Finished outer diameter | | mm | 6.5 | 2.9 |
| Approx. mass | | kg/km | 50 | 11 |
| Transmission characteristics | Characteristic impedance (10 MHz) | Ω | 75±4 | |
| | Attenuation (625 MHz) | — | 21.2dB/30m or less | 21.2dB/3m or less |
| Allowable bending radius | | mm | 39 | 18 |



LAN cable for movable sections

# UL20276-SB (FLEX-C5E)

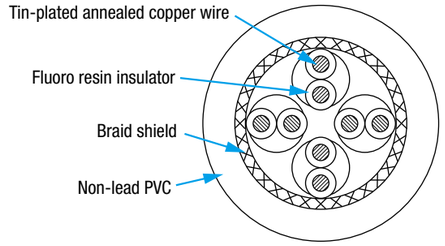
Conformity standard: UL 758

## Features

- Adapts Cat.5e-compatible 4-pair LAN cable to realize superior bending resistance and flexibility.
- Enables the mounting of a modular connector with a general shield.
- Enables use of a length up to 40 m.
  (A length longer than 40 m can also be customized.)

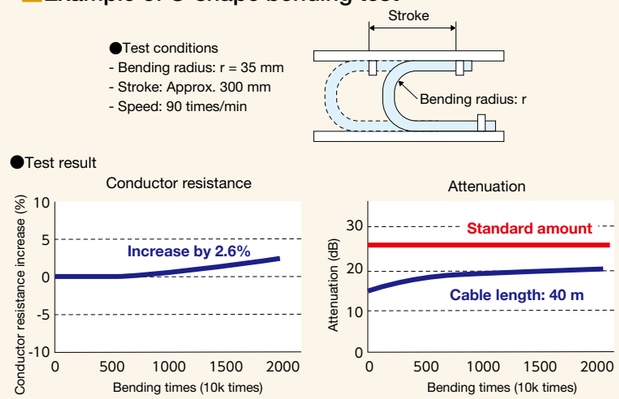
## Use

- Wiring of robots and machine tools where U-shape bending is applied




Example of cable structure

### Example of U-shape bending test




## Characteristics

- Rating temperature: 80°C
- Rating voltage: 30 V

U-shape bending / ±90° bending / Twisting / Characteristic impedance 100(Ω) / UL conformity / RoHS conformity

## Cable structure and performance

| Item | | Unit | Standard value |
|---|---|---|---|
| Conductor | AWG size | — | 26 |
| | Configuration | No./mm | 30/0.08 |
| | Outer diameter | mm | 0.51 |
| Insulator | Standard thickness | mm | 0.24 |
| | Outer diameter | mm | 1.0 |
| Finished outer diameter | | mm | 6.6 |
| Approx. mass | | kg/km | 63 |
| Characteristic impedance (1~100 MHz) | | Ω | 100±15 |
| Bending radius | | mm | 40 |