

# TV-OM-FAMS

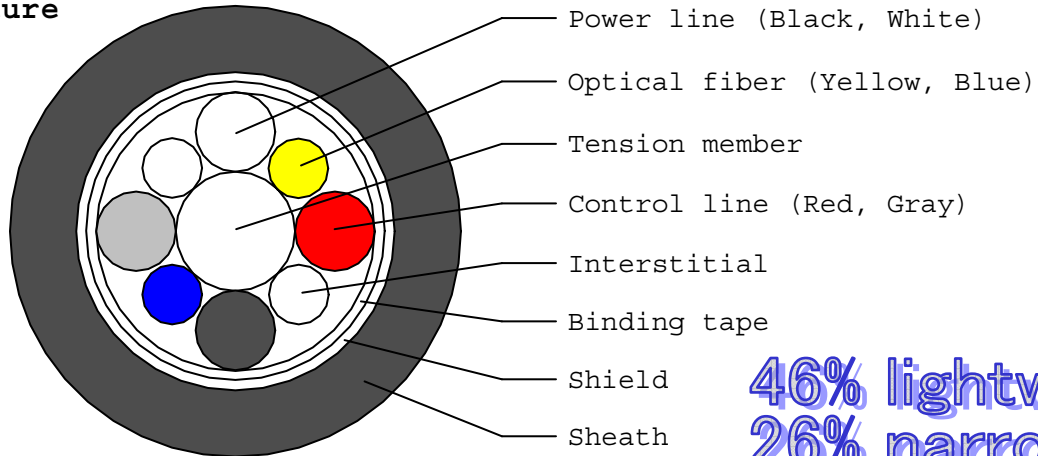


## Description

This lightweight, small diameter composite cable integrates power line for TV camera, control line, and optical fiber for video and audio transmission.

## Specification

### ● Structure



**46% lightweight**  
**26% narrow**

\* Compared with TV-OM-AMS

### ● Optical fiber

Item	Description
Type of fiber	Single-mode silica fiber
Mode field diameter	$9.5 \pm 1 \mu\text{m}$
Clad diameter	$125 \pm 3 \mu\text{m}$
Amount of eccentricity	$1 \mu\text{m}$ or less
Cutoff wavelength	$1.10 \sim 1.35 \mu\text{m}$
Coated outside diameter	$0.9 \pm 0.1\text{mm}$

### ● Cable (Integrated)

Item		Type	TV-OM-FAMS
Optical fiber core			See Table on the up
Power line	Conductor		Tin-plated soft copper wire strand (18 wire/0.12mm)
	Insulation thickness		0.3mm nominal
	Conductor resistance		$98.3 \Omega/\text{km}$
Control line	Conductor		Tin-plated soft copper wire strand (18 wire/0.12mm)
	Insulation thickness		0.3mm nominal
Tension member			Sheathed steel wire, 1.8mm nominal in outside diameter
Core stranding			Two cores of optical fiber, two cores of power line and two cores of control line are stranded around a tension member
Shield			Tin-plated soft copper wire braid
Sheath (Pb-free)			Abrasion-resistant sheath
Finished outside diameter			<b><math>6.8 \pm 0.3\text{mm}</math></b> nominal
Approximate mass			<b><math>65\text{kg}/\text{km}</math></b> nominal