

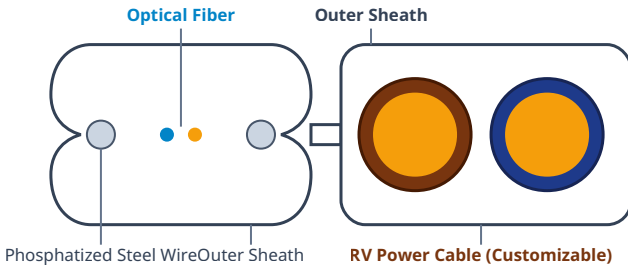
Optical-Electric Composite Cable (GDFJH-2B6+RV2×1.2mm²)

Hybrid Optical Fiber & Power Supply Composite Cable Technical Datasheet

Product Description

The **GDFJH-2B6+RV2×1.2mm² Optical-Electric Composite Cable** incorporates 2-core 250µm bend-insensitive single-mode optical fibers into a bow-type optical unit with steel wire strength members. The power unit consists of 2 multi-strand flexible copper conductors insulated with blue and brown PVC. The complete optical unit and power unit are laid in parallel with a tearable web separation structure between them, outer-sheathed with co-extruded flat PVC (or LSZH). The optical and power units can be easily separated by hand without tools.

Cable Cross-Section & Component Diagram



Product Features

Optoelectronic Integration

Integrates optical fiber and power supply, delivering concurrent high-speed data transmission and remote equipment power feeding.

Easy Separation Groove Design

Features a recessed notch groove enabling tool-free manual separation of optical and electrical units for fast stripping and termination.

Field Termination & Tool-Free Deployment

Designed for quick field connectorization without specialized tools, lowering deployment effort and field labor.

Superior Flexibility & Bending Performance

Delivers exceptional mechanical flexibility and tight bend endurance, making it highly adaptable to indoor tight-corner routing.

Oxygen-Free Copper Power Lines

Equipped with pure oxygen-free copper conductors to ensure stable power delivery, low electrical resistance, and enhanced safety.

Compact & Space-Saving Profile

Small cross-sectional profile and lightweight build minimize conduit/raceway space consumption and simplify handling.

Technical Specifications

Cable Model	Fiber Count	Outer Diameter (mm)	Allowable Tensile Force (N)		Allowable Crush Resistance (N/100mm)		Bending Radius (mm)	
			Long-Term	Short-Term	Long-Term	Short-Term	Static	Dynamic
MGTS33-2-60Xn	2 ~ 60	13.8	4000	10000	1000	3000	10D	20D
MGTS33-62-84Xn	62 ~ 84	15.1	4000	10000	1000	3000	10D	20D
MGTS33-86-108Xn	86 ~ 108	16.6	4000	10000	1000	3000	10D	20D
MGTS33-110-132Xn	110 ~ 132	17.9	4000	10000	1000	3000	10D	20D
MGTS33-134-216Xn	134 ~ 216	18.6	4000	10000	1000	3000	10D	20D
MGTS33-218-288Xn	218 ~ 288	20.4	4000	10000	1000	3000	10D	20D

Note: The above data is for reference only; Cable storage and operating temperature range: -40°C to +70°C.