Mobile Portic Cable Specification

ICEA S-75-381 Compliant



PRODUCT OVERVIEW

FEICHUN CABLE's Mobile Portic Cables represent state-of-the-art engineering in flexible power transmission systems. Designed specifically for demanding portal crane applications, these cables deliver superior performance under continuous movement and mechanical stress conditions.

EXCELLENCE IN MANUFACTURING

With advanced production facilities and strict quality control systems, FEICHUN CABLE ensures each cable meets or exceeds international standards, including ICEA S-75-381, UL 1277, ASTM B3, and ASTM B8.

Flame Retardant according to IEC/EN 60332-1-2

PRODUCT SERIES

1.1 Downstream Gantry Cable

Model: FC-DGC-2/8
Premium Configuration: 3C × #2AWG + 3C × #8AWG (Power/Ground)
Advanced Design for Optimal Performance

1.2 Upstream Gantry Cable

Model: FC-UGC-1/7
Premium Configuration: 3C × #1AWG + 3C × #7AWG (Power/Ground)
Enhanced Capacity for Demanding Applications

SUPERIOR CONSTRUCTION FEATURES

Operating Voltage: 0-2000V AC

Conductor Material: Premium Grade Soft-drawn Copper

Insulation System: High-performance EPR (Ethylene Propylene Rubber)

Reinforcement: Advanced Braided Technology

Outer Jacket: Enhanced Protection System

UV Resistant

Oil Resistant

Weather Resistant

Flame Retardant

CONSTRUCTION

3.1 Downstream Gantry Cable (FC-DGC-2/8)

Power Conductor (#2 AWG)
Stranding Construction: 180 strands × 0.50 mm
Insulation Thickness: 1.8 mm
Ground Conductor (#8 AWG)
Stranding Construction: 70 strands × 0.50 mm
Performance Parameters
External Diameter: 35 mm
Weight: 2.2 kg/m

Minimum Bend Radius:

230 mm
Tensile Strength: 650 daN
Current Rating: 145 A
Operating Temperature: 95°C

3.2 Upstream Gantry Cable (FC-UGC-1/7)

Power Conductor (#1 AWG)
Stranding Construction: 250 strands × 0.50 mm
Insulation Thickness: 2.2 mm
Ground Conductor (#7 AWG)
Stranding Construction: 80 strands × 0.50 mm
Performance Parameters
External Diameter: 42 mm
Weight: 2.8 kg/m

Minimum Bend Radius:

260 mm
Tensile Strength: 810 daN
Current Rating: 175 A
Operating Temperature: 95°C

QUALITY ASSURANCE

4.1 Comprehensive Testing Program

100% Routine Testing
Type Testing Certification
Special Performance Testing
Environmental Compliance Testing

4.2 Quality Certifications

ISO 9001:2015
ICEA Compliance
UL Recognition
International Standards Compliance

FEICHUN ADVANTAGES

Enhanced Durability:
Superior resistance to mechanical stress

Optimal Flexibility:
Engineered for dynamic applications

Extended Service Life:
Premium materials and construction

Reliable Performance:

Consistent electrical properties

Safety Assured:

Comprehensive protection features

Cable Marking

*FEICHUN CABLE >> FC-DGC-2/8 (or FC-UGC-1/7) >> 2000V >>**LENGTH MARK >> MANUFACTURING DATE >> BATCH NUMBER***