

TECHNICAL DATA SHEET

COMPLIANCE

Rated Voltage **300/500 V**
 Applicable Standard(s) **EN 50288-7**

Instrument Cable
CU/XLPE/OSCR/PVC/SWA/PVC
1x2x1.5 RM mm2

CONSTRUCTION

Conductor Type / Material / Size
 Insulation Material / Thickness
 Core Colors
 Overall Screen
 Inner Sheath Material / Thickness / O.D
 Metallic Armour Material / Wire Dia. / O.D
 Outer Sheath Material / Thick. (Nom.) / Color
 Overall Diameter (Approx.)
 Cable Weight (Approx.)

Stranded Round (Class 2) / Plain Annealed Copper / 1.5 mm2
XLPE / 0.6 mm
Black-White
Polyester Tape + Tinned Copper Drain Wire / 0.5 mm2 +
Aluminium Polyester Tape + Polyester Tape
PVC-ST2/ 0.9 mm/ 7.7 mm
Galvanized Steel Wire / 0.9 mm / 9.5 mm
PVC-ST2 / 1.4 mm / Blue
12.5 mm ± 5%
301 kg/km ± 5%

ELECTRICAL PERFORMANCE

Maximum DC Resistance at 20°C	12.1 Ω/km
Max. Mutual Capacitance	150 nF/km
Max Inductance to Resistance Ratio (L/R)	40 μH/Ω
Max. Capacitance Unbalance	500 pf /500 m
Min. Insulation Resistance	1000 MΩ.km

SPECIAL PERFORMANCE

Flame Retardant	IEC 60332-1-2
UV Resistant	UL 1581 section 1200

INSTALLATION GUIDELINE

Min Temperature During Installation	-5°C
Max. Pulling Tension	150 N
Min. Bending Radius at Min. Temperature	150 mm

PACKING DRUM DETAILS

Length	As Per Request
Material	Wooden or Metal Drum

MARKING

INSTRUMENT CABLE 1x2x1.5 SQMM 300/500 V EN 50288-7 MOGHAN WIRE & CABLE CO. MADE IN IRAN. YEAR. METER

Designed By : F.Rezaei

Approved By : A.Nikounam

TECHNICAL DATA SHEET

COMPLIANCE

Rated Voltage **300/500 V**
 Applicable Standard(s) **EN 50288-7**

Instrument Cable
CU/XLPE/PVC/SWA/PVC
1x2x2.5 RM mm²

CONSTRUCTION

Conductor Type / Material / Size
 Insulation Material / Thickness
 Core Colors
 Inner Sheath Material / Thickness / O.D
 Metallic Armour Material / Wire Dia. / O.D
 Outer Sheath Material / Thick. (Nom.) / Color
 Overall Diameter (Approx.)
 Cable Weight (Approx.)

Stranded Round (Class 2) / Plain Annealed Copper / 2.5 mm²
XLPE / 0.7 mm
Black-White
PVC-ST2/ 1 mm/ 8.9 mm
Galvanized Steel Wire / 0.9 mm / 10.7 mm
PVC-ST2 / 1.4 mm / Grey
13.7 mm ± 5%
359 kg/km ± 5%

ELECTRICAL PERFORMANCE

Maximum DC Resistance at 20°C	7.41 Ω/km
Max. Mutual Capacitance	150 nF/km
Max Inductance to Resistance Ratio (L/R)	60 μH/Ω
Max. Capacitance Unbalance	500 pf /500 m
Min. Insulation Resistance	1000 MΩ.km

SPECIAL PERFORMANCE

Flame Retardant	IEC 60332-1-2
UV Resistant	UL 1581 section 1200

INSTALLATION GUIDELINE

Min Temperature During Installation	-5°C
Max. Pulling Tension	250 N
Min. Bending Radius at Min. Temperature	164 mm

PACKING DRUM DETAILS

Length	As Per Request
Material	Wooden or Metal Drum

MARKING

INSTRUMENT CABLE 1x2x2.5 SQMM 300/500 V EN 50288-7 MOGHAN WIRE & CABLE CO. MADE IN IRAN. YEAR. METER

Designed By : E.Joudaki

Approved By : A.Nikounam

TECHNICAL DATA SHEET

COMPLIANCE

Rated Voltage **300/500 V**
 Applicable Standard(s) **EN 50288-7**

Instrument Cable
CU/XLPE/ISCR/OSCR/PVC/SWA/PVC
2x2x1.5 RM mm2

CONSTRUCTION

Conductor Type / Material / Size
 Insulation Material / Thickness
 Core Colors
 Individual Screen
 Overall Screen
 Inner Sheath Material / Thickness / O.D
 Metallic Armour Material / Wire Dia. / O.D
 Outer Sheath Material / Thick. (Nom.) / Color
 Overall Diameter (Approx.)
 Cable Weight (Approx.)

Stranded Round (Class 2) / Plain Annealed Copper / 1.5 mm2
XLPE / 0.6 mm
Black-White With Numbered Tapes
Polyester Tape + Tinned Copper Drain Wire / 0.5 mm2 +
Aluminium Polyester Tape + Polyester Tape
Polyester Tape + Tinned Copper Drain Wire / 0.5 mm2 +
Aluminium Polyester Tape + Polyester Tape
PVC-ST2/ 1.1 mm/ 13 mm
Galvanized Steel Wire / 0.9 mm / 14.8 mm
PVC-ST2 / 1.5 mm / Grey
18 mm ± 5%
516 kg/km ± 5%

ELECTRICAL PERFORMANCE

Maximum DC Resistance at 20°C	12.1 Ω/km
Max. Mutual Capacitance	150 nF/km
Max Inductance to Resistance Ratio (L/R)	40 μH/Ω
Max. Capacitance Unbalance	500 pf /500 m
Min. Insulation Resistance	1000 MΩ.km

SPECIAL PERFORMANCE

Flame Retardant	IEC 60332-1-2
UV Resistant	UL 1581 section 1200

INSTALLATION GUIDELINE

Min Temperature During Installation	-5°C
Max. Pulling Tension	300 N
Min. Bending Radius at Min. Temperature	216 mm

PACKING DRUM DETAILS

Length	As Per Request
Material	Wooden or Metal Drum

MARKING

INSTRUMENT CABLE 2x2x1.5 SQMM 300/500 V EN 50288-7 MOGHAN WIRE & CABLE CO. MADE IN IRAN. YEAR. METER

Designed By : F.Rezaei

Approved By : A.Nikounam