Instrumentation Cables Conforming To En 50288-7

INSTRUMENTATION CABLES CONFORMING TO EN 50288-7

The steady growth of automation in process industry, especially process control across large user sites like oil refining and petrochemical plants, the steel industry, power stations etc. necessitates the reliable transmission of electrical signals, process data and control information.

Today, in a continuous process plants like Refineries, Fertilizers, Cement Ind, Steel Ind etc. Various parameters like temperature, pressure flow level etc are converted in to electrical signals which are fed to the control room. In control room these signals are analyzed and suitable commands are sent to the field to take corrective action.The control room has become the brain of the plant and instrumentation cables are the arteries.

Uniflex's instrumentation cables are preferred choice by the majority of indian industry, leading EPC contractors, and electrical consultans.

The shielded and screened type of instrumentation cables designed and manufactured by Uniflex, reduces the external noise pick up in the circuit, there by reduces the interference. These cables are also offered with GI armour wire for protected application.

Uniflex is a leading manufacturer of a instrumentation cable having wide product range conforming to BS EN 50288-7, BS 7629 and other different national and international specifications as well as customised specification which conforms to extreme fire properties under temperature rating from 60 deg to 105 deg.

Caution: Instrumentation cables are not designed for use with power supplies and should not be connected to then mains power.

Conductor: High conductivity annealed plain/tinned stranded copper conductor produced in-house from state-of-the art machine.

Insulation: In-house developed PVC/XLPE/XLPO/SiR/EPR insulation compound having high insulation properties.
Individual screen: Shielding type for twisted pair/triad, Aluminium-Mylar tape with tinned copper drain wire.Drain wire will continuous contact with aluminum side of the tape. Shielding with ATC braiding can also be provided to meet the specific requirements.

Pair/triad Identification: Identification of pair/triad by number printing or by numbered polyster tape over each pair/triad. Also idenfication is availabe with different color coding.

Collective screen: Aluminium-Mylar tape along with tinned copper drain wire to be applied over the pair/triad assembly. Drain wire will continuous contact with aluminum side of the tape. Shielding with ATC braiding can also be provided to meet specific requirements.

Inner Sheath: In-house developed thermoplastic compound having low emission of smoke and corrosive gases when exposed to fire and also ensures circular shape of cable.

Armour: Galvanised Steel Round/stripe wire Armoured to give mechanical protection.
Outer Sheath: In-house developed thermoplastic compound having low emission of smoke and corrosive gases when exposed to fire.

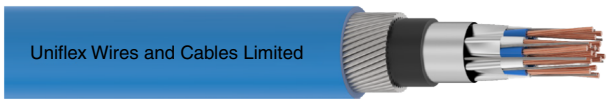
UNIFLEX INSTRU 300 MC (ST)

UNIFLEX INSTRU 500 MC (ST)

UNIFLEX INSTRU 300 (ST) PiMF

UNIFLEX INSTRU 300 P (ST)

UNIFLEX INSTRU 500 (ST) PiMF



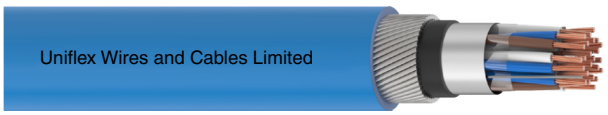
UNIFLEX INSTRU 500 P (ST)

UNIFLEX INSTRU 300 (ST) TiMF

UNIFLEX INSTRU 300 T (ST)

UNIFLEX INSTRU 500 (ST) TiMF

UNIFLEX INSTRU 500 T (ST)



Single & MP Instrumentation cable PVC/PE Insulated Overall shielded 300V

Application

Uniflex INSTRU 300 MC (ST), insulated with PVC/PE, Overall, al-mylar shielded, armoured / unarmoured and PVC / LSZH sheathed cable confirming to BS EN 50288-7 are designed for transmission of analogue and digital signals in instrument and control systems. INSTRU 300 MC (ST) cables are used for diverse applications within industrial process for control, communication, data & voice transmission in oil, gas & petrochemical industries, cement, steel, fertilizers etc.

Voltage Rating

300 V

Operation Temperature

Max. PVC 70°C,
HRPVC 85°C,
XLPE 90°C,
LDPE 60°C.

Construction

- Stranded Copper conductor as per EN 60228
- Insulated with PVC/PE as per EN 50288-7
- Collective screen Al/PET (Aluminium /Polyester tape) with drain wire of tinnedCu/Tinned copper braiding.
- Extruded inner sheath with PVC/LSZH toEN 50290-2-22/27
- Armoured with Galvanised Steel Strip/Round as per EN 50288-7
- Sheathed with Extruded PVC/LSZH to EN 50290-2-22/27

Core Identification

White/Grey core with number printing.

Outer sheath colour:

Black/Blue

Bending Radius

Fixed installation > 12 x Overall Diameter

Standard and References

EN 50288-7
EN 50288-1
EN 60228
EN 50290-2-22/27

Compliance

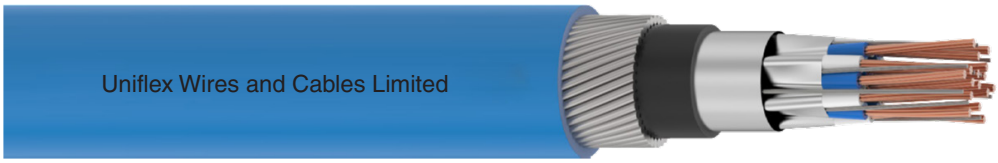
Conductor resistance -EN 60228
Insulation resistance -EN 50288-7
L/R Ratio -EN 50288-7
Mutual capacitance -EN 50288-7

Note B: As per the application/identification requirement, othercolour also available on request.

Electrical Parameter

Area of Conductor	Max. DC resistance of conductor at 20°C Plain wires	Max. DC resistance of conductor at 20°C Metal coated wires	Insulation resistance (PVC)	Insulation resistance (PE/XLPE)	Mutual capacitance	Inductance to resistance ratio(L/R)
Sqmm	Ohm/km	Ohm/km	MΩ/Km	MΩ/Km	nf/Km	µH/Ω
0.5	36	36.7	10	1000	< 250	< 25
0.75	24.5	24.8	10	1000	< 250	< 25
1	18.1	18.2	10	1000	< 250	< 25
1.5	12.1	12.2	10	1000	< 250	< 40
2.5	7.41	7.56	10	1000	< 250	< 60

Instrumentation cable PVC/PE Insulated Individual & Overall shielded 500V



Application

Uniflex IINSTRU 500 (ST) PiMF, Stranded copper conductor, PVC/PE insulated, Individual & overall al-mylar shielded, armoured/unarmoured and PVC/LSZH sheathed cable confirming to BS EN 50288-7 are designed for transmission of analogue and digital signals in instrument and control systems. Uniflex INSTRU 500 (ST) PiMF cables are used for diverse applications within industrial process for control, communication, data & voice transmission in oil, gas & petrochemical industries, cement, steel, fertilizers etc.

Voltage Rating

500 V

Operation Temperature

Max. PVC 70°C,
HRPVC 85°C,
XLPE 90°C,
LDPE 60°C..

Construction

- Stranded Copper conductor as per EN 60228
- Insulated with PVC/PE as per EN 50288-7
- Individual & Collective screen Al/PET (Aluminium/Polyester tape) with drain wire of tinned Cu/Tinned copper braiding.
- Extruded inner sheath with PVC/LSZH to EN 50290-2-22/27
- Armoured with Galvanised Steel Strip/Round as per EN 50288-7
- Sheathed with Extruded PVC/LSZH to EN 50290-2-22/27

Core Identification

White & Blue for Pair

Outer sheath colour:

Black/Blue

Bending Radius

12 x Overall diameter

Standard and References

EN 50288-7
EN 50288-1
EN 60228
EN 50290-2-22/27

Compliance

Conductor resistance -EN 60228
Insulation resistance -EN 50288-7
L/R Ratio -EN 50288-7
Mutual capacitance -EN 50288-7

Note B: As per the application/identification requirement, othercolour also available on request.

Electrical Parameter

Area of Conductor	Max. DC resistance of conductor at 20°C Plain wires	Max. DC resistance of conductor at 20°C Metal coated wires	Insulation resistance (PVC)	Insulation resistance (PE/XLPE)	Mutual capacitance	Inductance to resistance ratio(L/R)
Sqmm	Ohm/km	Ohm/km	MΩ/Km	MΩ/Km	nf/Km	µH/Ω
0.5	36	36.7	10	1000	< 250	< 25
0.75	24.5	24.8	10	1000	< 250	< 25
1	18.1	18.2	10	1000	< 250	< 25
1.5	12.1	12.2	10	1000	< 250	< 40
2.5	7.41	7.56	10	1000	< 250	< 60

Instrumentation cable PVC/PE Insulated Individual & Overall shielded 300V

Application

Uniflex IINSTRU 500 (ST) PiMF, Stranded copper conductor, PVC/PE insulated, Individual & overall al-mylar shielded, armoured/unarmoured and PVC/LSZH sheathed cable confirming to BS EN 50288-7 are designed for transmission of analogue and digital signals in instrument and control systems. Uniflex INSTRU 300 (ST) PiMF cables are used for diverse applications within industrial process for control, communication, data & voice transmission in oil, gas & petrochemical industries, cement, steel, fertilizers etc.

Voltage Rating

300 V

Operation Temperature

PVC 70°C,
HRPVC 85°C,
XLPE 90°C,
LDPE 60°C.

Construction

- Stranded Copper conductor as per EN 60228
- Insulated with PVC/PE as per EN 50288-7
- Individual & Collective screen Al/PET (Aluminium/Polyester tape) with drain wire of tinned Cu/ Tinned copper braiding.
- Extruded inner sheath with PVC/LSZH to EN 50290-2-22/27
- Armoured with Galvanised Steel Strip/Round as per EN 50288-7
- Sheathed with Extruded PVC/LSZH to

Core Identification

White & Blue for Pair

Outer sheath colour:

Black/Blue

Bending Radius

12 x Overall diameter

Standard and References

EN 50288-7
EN 50288-1
EN 60228
EN 50290-2-22/27

Compliance

Conductor resistance - EN 60228
Insulation resistance - EN 50288-7
L/R Ratio - EN 50288-7
Mutual capacitance -EN 50288-7

Note B: As per the application/identification requirement, othercolour also available on request.

Electrical Parameter

Area of Conductor	Max. DC resistance of conductor at 20°C Plain wires	Max. DC resistance of conductor at 20°C Metal coated wires	Insulation resistance (PVC)	Insulation resistance (PE/XLPE)	Mutual capacitance	Inductance to resistance ratio(L/R)
Sqmm	Ohm/km	Ohm/km	MΩ/Km	MΩ/Km	nf/Km	µH/Ω
0.5	36	36.7	10	1000	< 250	< 25
0.75	24.5	24.8	10	1000	< 250	< 25
1	18.1	18.2	10	1000	< 250	< 25
1.5	12.1	12.2	10	1000	< 250	< 40

SINGLE & MP Instrumentation cable PVC/PE Insulated Overall shielded 300V

Application

Uniflex INSTRU 300 P (ST), Stranded copper conductor, PVC/PE insulated, Overall, al-mylar shielded, armoured/ unarmoured and PVC/LSZH sheathed cable confirming to BS EN 50288-7 are designed for transmission of analogue and digital signals in instrument and control systems. Uniflex INSTRU 300 P (ST) cables are used for diverse applications within industrial process for control, communication, data & voice transmission in oil, gas & petrochemical industries, cement, steel, fertilizers etcz

Voltage Rating

300 V

Operation Temperature

PVC 70°C,
HRPVC 85°C,
XLPE 90°C,
LDPE 60°C.

Construction

- Stranded Copper conductor as per EN 60228
- Insulated with PVC/PE as per EN 50288-7
- Collective screen Al/PET (Aluminium /Polyester tape) with drain wire of tinned Cu/ Tinned copper braiding.
- Extruded inner sheath with PVC/LSZH to EN 50290-2-22/27
- Armoured with Galvanised Steel Strip/Round as per EN 50288-7
- Sheathed with Extruded PVC/LSZH to EN 50290-2-22/27

Core Identification

White & Blue for Pair

Outer sheath colour:

Black/Blue

Bending Radius

12 x Overall diameter

Standard and References

EN 50288-7
EN 50288-1
EN 60228
EN 50290-2-22/27

Compliance

Conductor resistance - EN 60228
Insulation resistance - EN 50288-7
L/R Ratio - EN 50288-7
Mutual capacitance -EN 50288-7

Note B: As per the application/identification requirement, othercolour also available on request.

Electrical Parameter

Area of Conductor	Max. DC resistance of conductor at 20°C Plain wires	Max. DC resistance of conductor at 20°C Metal coated wires	Insulation resistance (PVC)	Insulation resistance (PE/XLPE)	Mutual capacitance	Inductance to resistance ratio(L/R)
Sqmm	Ohm/km	Ohm/km	MΩ/Km	MΩ/Km	nf/Km	µH/Ω
0.5	36	36.7	10	1000	< 250	< 25
0.75	24.5	24.8	10	1000	< 250	< 25
1	18.1	18.2	10	1000	< 250	< 25
1.5	12.1	12.2	10	1000	< 250	< 40
2.5	7.41	7.56	10	1000	< 250	< 60

Instrumentation cable PVC/PE Insulated Individual & Overall shielded 500V

Application

Uniflex INSTRU 500 (ST) PiMF, Stranded copper conductor, PVC/PE insulated, Individual & overall al-mylar shielded, armoured/unarmoured and PVC/LSZH sheathed cable confirming to BS EN 50288-7 are designed for transmission of analogue and digital signals in instrument and control systems. Uniflex INSTRU 500 (ST) PiMF cables are used for diverse applications within industrial process for control, communication, data & voice transmission in oil, gas & petrochemical industries, cement, steel, fertilizers etc.

Voltage Rating

500 V

Operation Temperature

PVC 70°C,
HRPVC 85°C,
XLPE 90°C,
LDPE 60°C.

Construction

- Stranded Copper conductor as per EN 60228
- Insulated with PVC/PE as per EN 50288-7
- Individual & Collective screen Al/PET (Aluminium/Polyester tape) with drain wire of tinned Cu/Tinned copper braiding.
- Extruded inner sheath with PVC/LSZH toEN 50290-2-22/27
- Armoured with Galvanised Steel Strip/Round as per EN 50288-7
- Sheathed with Extruded PVC/LSZH to EN 50290-2-22/27

Core Identification

White & Blue for Pair

Outer sheath colour:

Black/Blue

Bending Radius

12 x Overall diameter

Standard and References

EN 50288-7
EN 50288-1
EN 60228
EN 50290-2-22/27

Compliance

Conductor resistance - EN 60228
Insulation resistance - EN 50288-7
L/R Ratio - EN 50288-7
Mutual capacitance -EN 50288-7

Note B: As per the application/identification requirement, othercolour also available on request.

Electrical Parameter

Area of Conductor	Max. DC resistance of conductor at 20°C Plain wires	Max. DC resistance of conductor at 20°C Metal coated wires	Insulation resistance (PVC)	Insulation resistance (PE/XLPE)	Mutual capacitance	Inductance to resistance ratio(L/R)
Sqmm	Ohm/km	Ohm/km	MΩ/Km	MΩ/Km	nf/Km	µH/Ω
0.5	36	36.7	10	1000	< 250	< 25
0.75	24.5	24.8	10	1000	< 250	< 25
1	18.1	18.2	10	1000	< 250	< 25
1.5	12.1	12.2	10	1000	< 250	< 40
2.5	7.41	7.56	10	1000	< 250	< 60

Instrumentation cable PVC/PE Insulated Overall shielded 500V

Application

Uniflex INSTRU 500 P (ST), Stranded copper conductor, Uniflex INSTRU 500 P (ST), Stranded copper conductor, PVC/PE insulated, Overall, al-mylar shielded, armoured/unarmoured and PVC/LSZH sheathed cable confirming to BS EN 50288-7 are designed for transmission of analogue and digital signals in instrument and control systems. Uniflex INSTRU 500 P (ST) cables are used for diverse applications within industrial process for control, communication, data & voice transmission in oil, gas & petrochemical industries, cement, steel, fertilizers etc.

Voltage Rating

500 V

Operation Temperature

PVC 70°C,
HRPVC 85°C,
XLPE 90°C,
LDPE 60°C.

Construction

- Stranded Copper conductor as per EN 60228
- Insulated with PVC/PE as per EN 50288-7
- Collective screen Al/PET(Aluminium /Polyester tape) with drain wire of tinned Cu/ Tinned copper braiding.
- Extruded inner sheath with PVC/LSZH to EN 50290-2-22/27
- Armoured with Galvanised Steel Strip/Round as per EN 50288-7
- Sheathed with Extruded PVC/LSZH to EN 50290-2-22/27

Core Identification

White & Blue for Pair

Outer sheath colour:

Black/Blue

Bending Radius

12 x Overall diameter

Standard and References

EN 50288-7
EN 50288-1
EN 60228
EN 50290-2-22/27

Compliance

Conductor resistance - EN 60228
Insulation resistance - EN 50288-7
L/R Ratio - 50288-7
Mutual capacitance - EN 50288-7

Note B: As per the application/identification requirement, othercolour also available on request.

Electrical Parameter

Area of Conductor	Max. DC resistance of conductor at 20°C Plain wires	Max. DC resistance of conductor at 20°C Metal coated wires	Insulation resistance (PVC)	Insulation resistance (PE/XLPE)	Mutual capacitance	Inductance to resistance ratio(L/R)
Sqmm	Ohm/km	Ohm/km	MΩ/Km	MΩ/Km	nf/Km	µH/Ω
0.5	36	36.7	10	1000	< 250	< 25
0.75	24.5	24.8	10	1000	< 250	< 25
1	18.1	18.2	10	1000	< 250	< 25
1.5	12.1	12.2	10	1000	< 250	< 40
2.5	7.41	7.56	10	1000	< 250	< 60

Instrumentation cable PVC/PE Insulated Individual & Overall shielded 300V

Application

Uniflex INSTRU 300 (ST) TiMF, Stranded copper conductor, PVC/PE insulated, Individual & overall al-mylar shielded, armoured/unarmoured and PVC/LSZH sheathed cable confirming to BS EN 50288-7 are designed for transmission of analogue and digital signals in instrument and control systems. Uniflex INSTRU 300 (ST) TiMF cables are used for diverse applications within industrial process for control, communication, data & voice transmission in oil, gas & petrochemical industries, cement, steel, fertilizers etc.

Voltage Rating

300 V

Operation Temperature

PVC 70°C,
HRPVC 85°C,
XLPE 90°C,
LDPE 60°C.

Construction

- Stranded Copper conductor as per EN 60228
- Insulated with PVC/PE as per EN 50288-7
- Individual & Collective screen Al/PET(Aluminium/Polyester tape) with drain wire of tinned Cu/ Tinned copper braiding.
- Extruded inner sheath with PVC/LSZH to EN 50290-2-22/27
- Armoured with Galvanised Steel Strip/Round as per EN 50288-7
- Sheathed with Extruded PVC/LSZH to EN 50290-2-22/27

Core Identification

White & Blue for Pair

Outer sheath colour:

Black/Blue

Bending Radius

12 x Overall diameter

Standard and References

EN 50288-7
EN 50288-1
EN 60228
EN 50290-2-22/27

Compliance

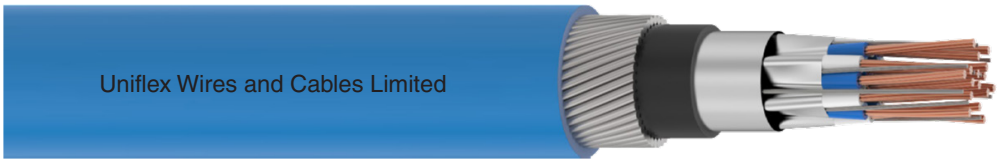
Conductor resistance - - EN 60228
Insulation resistance - EN 50288-7
L/R Ratio - 50288-7
Mutual capacitance - EN 50288-7

Note B: As per the application/identification requirement, othercolour also available on request.

Electrical Parameter

Area of Conductor	Max. DC resistance of conductor at 20°C Plain wires	Max. DC resistance of conductor at 20°C Metal coated wires	Insulation resistance (PVC)	Insulation resistance (PE/XLPE)	Mutual capacitance	Inductance to resistance ratio(L/R)
Sqmm	Ohm/km	Ohm/km	MΩ/Km	MΩ/Km	nf/Km	µH/Ω
0.5	36	36.7	10	1000	< 250	< 25
0.75	24.5	24.8	10	1000	< 250	< 25
1	18.1	18.2	10	1000	< 250	< 25
1.5	12.1	12.2	10	1000	< 250	< 40
2.5	7.41	7.56	10	1000	< 250	< 60

Instrumentation cable PVC/PE Insulated Overall shielded 300V



Application

Uniflex INSTRU 300 T (ST), Stranded copper conductor, PVC/PE insulated, O shielded, armoured/unarmoured and PVC/LSZH sheathed cable confirming to BS E designed for transmission of analogue and digital signals in instrument and co Uniflex INSTRU 300 T (ST) cables are used for diverse applications within industri control, communication, data & voice transmission in oil, gas & petrochemical indus steel, fertilizers etc.

Voltage Rating

300 V

Operation Temperature

PVC 70°C,
HRPVC 85°C,
XLPE 90°C,
LDPE 60°C.

Construction

- Stranded Copper conductor as per EN 60228
- Insulated with PVC/PE as per EN 50288-7
- Collective screen Al/PET(Aluminium/Polyester tape) with drain wire of tinned Cu/ Tinned copper braiding.
- Extruded inner sheath with PVC/LSZH to EN 50290-2-22/27
- Armoured with Galvanised Steel Strip/Round as per EN 50288-7
- Sheathed with Extruded PVC/LSZH to EN 50290-2-22/27

Core Identification

White & Blue for Pair

Outer sheath colour:

Black/Blue

Bending Radius

12 x Overall diameter

Standard and References

EN 50288-7
EN 50288-1
EN 60228
EN 50290-2-22/27

Compliance

Conductor resistance
Insulation resistance
L/R Ratio
Mutual capacitance

Note B: As per the application/identification requirement, othercolour also available on request.

Electrical Parameter

Area of Conductor	Max. DC resistance of conductor at 20°C Plain wires	Max. DC resistance of conductor at 20°C Metal coated wires	Insulation resistance (PVC)	Insulation resistance (PE/XLPE)	Mutual capacitance	Inductance to resistance ratio(L/R)
Sqmm	Ohm/km	Ohm/km	MΩ/Km	MΩ/Km	nf/Km	µH/Ω
0.5	36	36.7	10	1000	< 250	< 25
0.75	24.5	24.8	10	1000	< 250	< 25
1	18.1	18.2	10	1000	< 250	< 25
1.5	12.1	12.2	10	1000	< 250	< 40
2.5	7.41	7.56	10	1000	< 250	< 60

Instrumentation cable PVC/PE Insulated Individual & Overall shielded 500V

Application

Uniflex INSTRU 500 (ST) TiMF, Stranded copper conductor, PVC/PE insulated, Individual & overall al-mylar shielded, armoured/unarmoured and PVC/LSZH sheathed cable confirming to BS EN 50288-7 are designed for transmission of analogue and digital signals in instrument and control systems. Uniflex INSTRU 500 (ST) TiMF cables are used for diverse applications within industrial process for control, communication, data & voice transmission in oil, gas & petrochemical industries, cement, steel, fertilizers etc.

Voltage Rating

500 V

Operation Temperature

PVC 70°C,
HRPVC 85°C,
XLPE 90°C,
LDPE 60°C.

Construction

- Stranded Copper conductor as per EN 60228
- Insulated with PVC/PE as per EN 50288-7
- Individual & Collective screen Al/PET(Aluminium/ Polyester tape) with drain wire of tinned Cu/ Tinned copper braiding.
- Extruded inner sheath with PVC/LSZH to EN 50290-2-22/27
- Armoured with Galvanised Steel Strip/Round as per EN 50288-7
- Sheathed with Extruded PVC/LSZH to EN 50290-2-22/27

Core Identification

White, Blue & Brown for Triad

Outer sheath colour:

Blue

Bending Radius

12 x Overall diameter

Standard and References

EN 50288-7
EN 50288-1
EN 60228
EN 50290-2-22/27

Compliance

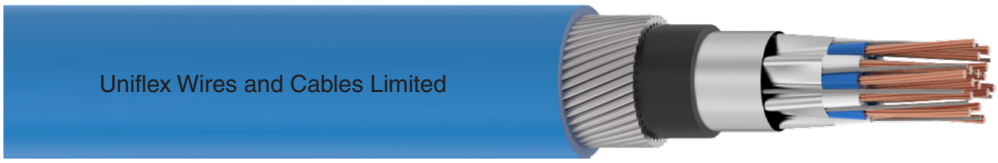
Conductor resistance - EN 60228
Insulation resistance - EN 50288-7
L/R Ratio - 50288-7
Mutual capacitance - 50288-7

Note B: As per the application/identification requirement, othercolour also available on request.

Electrical Parameter

Area of Conductor	Max. DC resistance of conductor at 20°C Plain wires	Max. DC resistance of conductor at 20°C Metal coated wires	Insulation resistance (PVC)	Insulation resistance (PE/XLPE)	Mutual capacitance	Inductance to resistance ratio(L/R)
Sqmm	Ohm/km	Ohm/km	MΩ/Km	MΩ/Km	nf/Km	µH/Ω
0.5	36	36.7	10	1000	< 250	< 25
0.75	24.5	24.8	10	1000	< 250	< 25
1	18.1	18.2	10	1000	< 250	< 25
1.5	12.1	12.2	10	1000	< 250	< 40
2.5	7.41	7.56	10	1000	< 250	< 60

Instrumentation cable PVC/PE Insulated Overall shielded 500V



Application

Uniflex INSTRU 500 T (ST), Stranded copper conductor, PVC/PE insulated, Overall al-mylar shielded, armoured/ unarmoured and PVC/LSZH sheathed cable confirming to BS EN 50288-7 are designed for transmission of analogue and digital signals in instrument and control systems. Uniflex INSTRU 500 T (ST) cables are used for diverse applications within industrial process for control, communication, data & voice transmission in oil, gas & petrochemical industries, cement, steel, fertilizers etc.

Voltage Rating

500 V

Operation Temperature

PVC 70°C,
HRPVC 85°C,
XLPE 90°C,
LDPE 60°C.

Construction

- Stranded Copper conductor as per EN 60228
- Insulated with PVC/PE as per EN 50288-7
- Collective screen Al/PET (Aluminium/Polyester tape) with drain wire of tinned Cu/Tinned copper braiding.
- Extruded inner sheath with PVC/LSZH to EN 50290-2-22/27
- Armoured with Galvanised Steel Strip/Round as per EN 50288-7
- Sheathed with Extruded PVC/LSZH to EN 50290-2-22/27

Core Identification

White, Blue & Brown for Triad

Outer sheath colour:

Black/Blue

Bending Radius

12 x Overall diameter

Standard and References

EN 50288-7
EN 50288-1
EN 60228
EN 50290-2-22/27

Compliance

Conductor resistance - EN 60228
Insulation resistance - EN 50288-7
L/R Ratio - 50288-7
Mutual capacitance - 50288-7

Note B: As per the application/identification requirement, othercolour also available on request.

Electrical Parameter

Area of Conductor	Max. DC resistance of conductor at 20°C Plain wires	Max. DC resistance of conductor at 20°C Metal coated wires	Insulation resistance (PVC)	Insulation resistance (PE/XLPE)	Mutual capacitance	Inductance to resistance ratio(L/R)
Sqmm	Ohm/km	Ohm/km	MΩ/Km	MΩ/Km	nf/Km	µH/Ω
0.5	36	36.7	10	1000	< 250	< 25
0.75	24.5	24.8	10	1000	< 250	< 25
1	18.1	18.2	10	1000	< 250	< 25
1.5	12.1	12.2	10	1000	< 250	< 40
2.5	7.41	7.56	10	1000	< 250	< 60