

## 27109R Multi-Conductor - 600V Type TC Cable

For more Information  
please call

1-800-Belden1



## Description:

## Physical Characteristics (Overall)

## Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	12	7x20	TC - Tinned Copper

## Ground Wire

Ground Wire (Y/N): N

## Insulation

Insulation Material:

Insulation Material
XLPE - Cross Linked Polyethylene

## Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

## Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
CPE - Chlorinated Polyethylene	.045

## Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.245 x 0.400 in.

## Mechanical Characteristics (Overall)

Wet Temperature Range:	-30°C To +90°C
Dry Temperature Range:	-30°C To +90°C
Max. Recommended Pulling Tension:	173 lbs.
Min. Bend Radius (Install)/Minor Axis:	4 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	TC, UL 1277
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	09/08/2006

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EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	ICEA S-73-532, S-95-658, S-66-524

## Flame Test

UL Flame Test:	UL1685 UL Loading
CSA Flame Test:	FT4
IEEE Flame Test:	1202
ICEA Flame Test:	T-29-520
Other Flame Test:	VW-1 rated Conductors

## Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Sunlight Resistance:	Yes

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.7

## Max. Operating Voltage - UL:

Voltage

600 V RMS

## Max. Recommended Current:

Current

30 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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