



Part Number: 7804R

SMPTE 311M Cable, 2 Fiber, 2 Conductor 24 AWG, 4 Conductor 20 AWG, Belflex® Jacket, CMR

Product Description

Industry Standard SMPTE 311M Cable, 2 Single Mode Fibers, 2 TC Conductors 24 AWG (7x32) and 4 TC Conductors 20 AWG (19x32), PVC Insulation, TC Braid Shield (95% coverage), Belflex® Jacket, Riser

Technical Specifications

Product Overview

Environmental Space:	Indoor/Outdoor
----------------------	----------------

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
24	7x32	TC - Tinned Copper	0.024 in	2
20	19X32	TC - Tinned Copper	0.037 in	4

Conductor Count:	6
------------------	---

Conductor Size:	24 AWG
-----------------	--------

Insulation

Material	Nominal Diameter
PO - Polyolefin	0.048 in
PO - Polyolefin	0.062 in

Color Chart

Color
Red
Gray
White
White
Black
Black

Outer Shield Material

Type	Material	Coverage [%]
Braid	TC - Tinned Copper	85 %

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.357 in

Construction and Dimensions

Cabling

Filler
4XPOLYPROPYLENE CABLE FILLERS

Electrical Characteristics

Conductor DCR

Nominal Conductor Loop DCR	Nominal Outer Shield DCR
23.3 Ohm/km	3.5 Ohm/1000ft
8.8 Ohm/km	

Shielding:	Braid(s)
------------	----------

Temperature Range

Operating Temp Range:	-40C To +75C
-----------------------	--------------

Mechanical Characteristics

Bulk Cable Weight:	80 lbs/1000ft
Max Recommended Pulling Tension:	450 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
CPR Euroclass:	Eca
Other Specification:	SMPTE 311

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes

Suitability

Suitability - Indoor:	Yes
-----------------------	-----

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1666 Vertical Shaft
IEEE Flammability:	1202

Plenum/Non-Plenum

Plenum (Y/N):	N
Plenum Number:	7804P

Part Number

Variants

Item #	Color	Footnote
7804R B591000	MATTE BLACK	C
7804R B591640	MATTE BLACK	C
7804R B593280	MATTE BLACK	C
7804R B59500	MATTE BLACK	C

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

© 2018 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.