




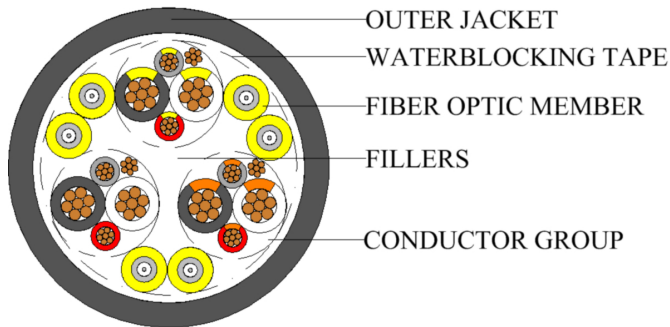
**Product:** [7824WB](#) 

3-Channel SMPTE Stadium Cable, 6 Fiber, 6 Conductor 18 AWG, 6 Conductor 24 AWG, Waterblocked

## Product Description

3-Channel SMPTE Stadium Cable, 6 Single Mode Fibers, 6 TC Conductor 18 AWG (19x30) and 6 TC Conductor 24 AWG (7x32), Water Blocking Tape, Polyethylene Jacket.

## Technical Drawing



## Technical Specifications

### Product Overview

Suitable Applications:	3 Channel Composite Camera Cable
------------------------	----------------------------------

### Multiconductor

#### Multiconductor Conductor and Insulation

Element	No. of Conductors	AWG	Stranding	Material	Nominal Conductor DCR	Insulation Material	Insulation Nominal Diameter
Quad 1, Quad 2, Quad 3	6	24	7x32	TC - Tinned Copper	23.3 Ohm/1000ft	PVC - Polyvinyl Chloride	0.038 in
Quad 1, Quad 2, Quad 3	6	18	19x30	TC - Tinned Copper	6.67 Ohm/1000ft	PVC - Polyvinyl Chloride	0.080 in

#### Multiconductor Color Chart

Description	Color
Quad 1 - 24 AWG	Red
Quad 1 - 24 AWG	Gray
Quad 1 - 18 AWG	White
Quad 1 - 18 AWG	Black
Quad 2 - 24 AWG	Red/Yellow
Quad 2 - 24 AWG	Gray/Yellow
Quad 2 - 18 AWG	White/Yellow
Quad 2 - 18 AWG	Black/Yellow
Quad 3 - 24 AWG	Red/Orange
Quad 3 - 24 AWG	Gray/Orange
Quad 3 - 18 AWG	White/Orange
Quad 3 - 18 AWG	Black/Orange

#### Multiconductor Inner Shield

Layer	Inner Shield Type	Inner Shield Material	Inner Shield Coverage	Drainwire AWG	Drainwire Stranding	Drainwire Material	Drainwire Diameter	Drainwire Position
-------	-------------------	-----------------------	-----------------------	---------------	---------------------	--------------------	--------------------	--------------------

Each Quad	Tape	Al/poly (Foil In)	100 %	22	7x30	TC - Tinned Copper	0.030 in	Under Each Quad's Shield Tape
-----------	------	-------------------	-------	----	------	--------------------	----------	-------------------------------

#### Multiconductor Non-UL Voltage

Non-UL Description	Non-UL Voltage Rating
24 AWG	300 V RMS
18 AWG	300 V RMS

## Fiber

#### Fiber Cable Construction

Fiber Type	Fiber Count
OS2, G.657.A2	6

Fiber Color Coding:	Yellow Printed
Subunit Diameter:	0.078 in (2.0 mm)

#### Buffer Specification

Buffer Material	Buffer Diameter
PVC - Polyvinyl Chloride	900 µm

Number of Active Subunits:	6
Number of Subunit Positions:	6
Fibers Per Subunit:	1
Subunit Waterblocking:	Aramid Yarn
Mode Field Diameter:	9.2 µm
Wavelength@Optical SM1:	1310 nm, 1550 nm
Max. Attenuation at 1310 nm:	0.50 dB/km
Max. Attenuation at 1550 nm:	0.50 dB/km

## Overall Cable

Jacket:	Polyolefin (PO, PE, PP)
Operating Temperature Range:	-40°C to 70°C
Installation Temperature Range:	-10°C to 70°C
Storage Temperature Range:	-40°C to 70°C
Max. Pull Tension:	2700 N
Bulk Cable Weight:	132 lbs/1000ft

## Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire and Cable):	Yes
China RoHS II (GB/T 26572-2011):	Yes

## Suitability

Suitability - Outdoor:	Yes
------------------------	-----

## Plenum/Non-Plenum

Plenum (Y/N):	N
---------------	---

## Product Notes

Notes:	Copper conductor quads are individually shielded with individual drain wire
--------	---

## History

Update and Revision:	Revision Number: 0.173 Revision Date: 11-27-2023
----------------------	--

## Variants

Item #	Color	UPC	Length
7824WB 0101000	Black	612825352211	1,000 ft
7824WB 0102000	Black	612825434382	2,000 ft

7824WB 0102500	Black	612825436843	500 ft
7824WB 0103280	Black		3,280 ft
7824WB 010CUT	Black		
7824WB 0104000	Black	612825190028	4,000 ft
7824WB 0054000	Green	612825190011	4,000 ft

© 2024 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.