

## 73204WS Multi-Conductor - 600V Shielded, Light to Moderate Flexing Applications Up to 1 Million Flex Life Cycles



For more Information  
please call

1-800-Belden1

**General Description:**

12 AWG stranded (65x30) bare copper conductors, PVC insulation, oil-resistant PVC inner jacket, tinned copper braid shield, 85% coverage, oil-resistant overall PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
3	12	65x30	BC - Bare Copper	0.093

Total Number of Conductors: 4

**Ground Wire**

Ground Wire (Y/N):	Y
Ground Wire AWG:	12
Ground Wire Stranding:	65X30
Ground Wire Conductor Material:	BC - Bare Copper
Ground Wire Insulation Material:	PVC - Polyvinyl Chloride

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (in.)	Dia. (in.)
PVC - Polyvinyl Chloride	0.022	0.137

Insulation Color Code Chart:

Color	Description
Black	Individually Numbered
Yellow/Green	Ground

**Inner Jacket**

Inner Jacket Material:

Inner Jacket Material	Nom Wall (in.)	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	0.055	0.450

**Outer Shield**

Outer Shield Material:

Outer Shield Material	Coverage (%)
TC - Tinned Copper	85.000

Outer Shield Separator Material: Tissue Tape, 25&#37; Overlap, Min.

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.066

**Overall Cable**

Overall Nominal Diameter: 0.616 in.

**Mechanical Characteristics (Overall)**

Storage Temperature Range:	-40°C To +90°C
Installation Temperature Range:	Flexing: -5°C To +90°C
Operating Temperature Range:	Flexing: -5°C To +90°C
Bulk Cable Weight:	263 lbs/1000 ft.
Max. Recommended Pulling Tension:	218 lbs.
Min. Bend Radius/Minor Axis:	3.100 in.
Min. Bend/Installation:	3.100 in.
Min. Bend Radius (Continuous Flexing):	3.100 in.
Flex Cycle Rating:	1 Million Flexes

## 73204WS Multi-Conductor - 600V Shielded, Light to Moderate Flexing Applications Up to 1 Million Flex Life Cycles

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	THHN/THWN Singles
AWM Specification:	UL Style 2587 (600 V 90°C)
CSA Specification:	600 V AWM I/II A/B
EU Directive 2011/65/EU (ROHS II):	Yes
Other Specification:	AWM/STYLE 2587, AWM I/II A/B, FT1, VDE 0472, Section 803 Oil Test, EU Low Voltage Directive 2014/35/EC, EU Directive 2011/65/EU(RoHS2), REACH Regulation (EC 1907/2006), California Proposition 65

## Flame Test

CSA Flame Test:	FT1
-----------------	-----

## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (µH/ft)
0.160

## Nom. Capacitance Cond. to Other Cond. &amp; Ground:

Description	Freq. (kHz)	Capacitance (pF/ft)
Nom. Cond. to Cond	1.000	64.000
Nom. Ground.	1.000	115.000

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.630

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.730

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
73204WS 008100	100 FT	33.400 LB	GRAY		12AWG 65/30 4C SHIELDED
73204WS 0081000	1,000 FT	320.000 LB	GRAY		12AWG 65/30 4C SHIELDED
73204WS 008500	500 FT	171.500 LB	GRAY		12AWG 65/30 4C SHIELDED

Revision Number: 0 Revision Date: 09-27-2017

© 2017 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 herein 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 "AS IS" 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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Belden Wire & Cable:

[73204WS 0081000](#) [73204WS 008500](#) [73204WS 008100](#)