

Technical Specification

Cable Type: PSF 1/4 Precision Video Coaxial Cable 22# 75 Ohm

Western Wire Part Number: WPF014xx

Revision: 09/07 Date: 13 April 2007



Physical Description

Inner Conductor	Solid 0.60 mm (22 AWG) bare annealed copper
Dielectric material	Cellular LDPE
Dielectric OD	2.80±0.10 mm
Outer Conductor	Dual shield: Foil + Braid
Inner Foil	Longitudinal Aluminum/PET foil, 100% coverage, 25% overlap, aluminum side out.
Braid	Tinned-copper Braid, 16x7x0.12 mm wires, 90% min. coverage.
Outer Jacket	Soft PVC compound for indoor use.
Outer Jacket thickness	0.59 mm nom. 0.45 mm min.
Color	See below.
Overall Diameter	4.5±0.2 mm
Surface Marking	See below

Mechanical Properties

Minimum Bend Radius	45 mm
Storage Temperature Rating	-20 to +70C
Temperature Rating during installation	0 to +60C
Flame Test	IEC 60332-1 & UL 1581 VW-1
Total Weight	32 Kg/Km nom.

Electrical Properties @ 20C

Characteristic Impedance	75±3 Ohm
Capacitance	55 pF/m nom @ 1 KHz
Velocity of Propagation	83.0±0.3%.
DC Resistance of inner conductor	65.0 Ohm/Km max.
Voltage rating	30 V rms
Insulation resistance	1000 MOhm-Km min.
Coupling attenuation	80 dB min. @ 30-1000 MHz

Frequency MHz	Attenuation dB/100m	RL dB	Frequency MHz	Attenuation dB/100m	RL dB
1	1.4	NS	270	18.7	30
10	4.1	NS	380	21.9	25
100	13.0	30	570	28.4	NS
135	13.2	30	780	34.0	NS
180	15.2	30	1000	39.3	NS

Optional Jacket Colors & Surface Printing

WW P/N	Jacket Color	Surface Printing
WPF01410	Black RAL 9005	WESTERN WIRE WPF01410 SERIAL DIGITAL VIDEO CABLE PSF-1/4 75 OHM FSHC FR IEC 60332-1 UL 1581 VW- 1 CE 2002/95/EC (RoHS) [Month, Year] [Batch Number] [SMM] METER
WPF01420	White RAL 1013	WESTERN WIRE WPF01420 SERIAL DIGITAL VIDEO CABLE PSF-1/4 75 OHM FSHC FR IEC 60332-1 UL 1581 VW- 1 CE 2002/95/EC (RoHS) [Month, Year] [Batch Number] [SMM] METER
WPF01430	Red RAL 3000	WESTERN WIRE WPF01430 SERIAL DIGITAL VIDEO CABLE PSF-1/4 75 OHM FSHC FR IEC 60332-1 UL 1581 VW- 1 CE 2002/95/EC (RoHS) [Month, Year] [Batch Number] [SMM] METER
WPF01433	Brown RAL 8016	WESTERN WIRE WPF01433 SERIAL DIGITAL VIDEO CABLE PSF-1/4 75 OHM FSHC FR IEC 60332-1 UL 1581 VW- 1 CE 2002/95/EC (RoHS) [Month, Year] [Batch Number] [SMM] METER
WPF01440	Blue RAL 5015	WESTERN WIRE WPF01440 SERIAL DIGITAL VIDEO CABLE PSF-1/4 75 OHM FSHC FR IEC 60332-1 UL 1581 VW- 1 CE 2002/95/EC (RoHS) [Month, Year] [Batch Number] [SMM] METER
WPF01450	Yellow RAL 1021	WESTERN WIRE WPF01450 SERIAL DIGITAL VIDEO CABLE PSF-1/4 75 OHM FSHC FR IEC 60332-1 UL 1581 VW- 1 CE 2002/95/EC (RoHS) [Month, Year] [Batch Number] [SMM] METER
WPF01460	Green RAL 6018	WESTERN WIRE WPF01460 SERIAL DIGITAL VIDEO CABLE PSF-1/4 75 OHM FSHC FR IEC 60332-1 UL 1581 VW- 1 CE 2002/95/EC (RoHS) [Month, Year] [Batch Number] [SMM] METER
WPF01470	Orange RAL 2003	WESTERN WIRE WPF01470 SERIAL DIGITAL VIDEO CABLE PSF-1/4 75 OHM FSHC FR IEC 60332-1 UL 1581 VW- 1 CE 2002/95/EC (RoHS) [Month, Year] [Batch Number] [SMM] METER
WPF01480	Purple RAL 4005	WESTERN WIRE WPF01480 SERIAL DIGITAL VIDEO CABLE PSF-1/4 75 OHM FSHC FR IEC 60332-1 UL 1581 VW- 1 CE 2002/95/EC (RoHS) [Month, Year] [Batch Number] [SMM] METER
WPF01490	Grey RAL 7005	WESTERN WIRE WPF01490 SERIAL DIGITAL VIDEO CABLE PSF-1/4 75 OHM FSHC FR IEC 60332-1 UL 1581 VW- 1 CE 2002/95/EC (RoHS) [Month, Year] [Batch Number] [SMM] METER