

1:1

Proprietary Note: W.L.Gore & Associates, Inc. Proprietary Data; The data and information disclosed hereon is furnished upon the following understanding and agreement: By acceptance of this document you agree that all rights to the drawings, specifications, processes, and other data contained therein, as well as the proprietary and novel features of the subject matter are reserved by W.L.Gore and disclosed in confidence. They are not to be disclosed to others unless and until expressly authorized by W.L.Gore & Associates Inc.

A4

Falls nicht anders definiert, alle Maße in mm.
Unless otherwise specified all dimensions in mm.

Maße ohne Toleranzangabe sind Nominalmaße.
All dimensions nominal unless otherwise specified.

Schematische Darstellung
Schematic view only

Maßstab/Scale
./.

Toleranzen/Tolerances
./.

C	06.10.16	GD	10274
B	10.08.16	SH	10113
A	16.07.15	SH	-
Revision	Datum/Date	Gezeichnet/Drawn	PLFECO no.

Benennung/Description

Digital Data Transmission Cable Star Quad
100 Ohms - Light Weight



W.L.Gore & Associates GmbH
Nordring 1
91785 Pleinfeld
Tel. 0 91 44 / 60 10
Fax 0 91 44 / 63 61, 68 16

Zeichnungsnr./Drawing no.

GSC-03-84820-00

Blatt/Page


1/3

Ersatz für / Replacement for Ersetzt durch / Replaced by

Construction

- | | |
|---|--|
| 1. Filler as required
material | fluoroplastic |
| 2. Quad | |
| 4 Leads
Conductor
material
size
Insulation
material
colours | Cd-free copper alloy, silver plated
AWG 26 (19/38)


PTFE over ePTFE
Pair 1: A = red / C = blue
Pair 2: B = green / D = yellow |
| 3. Binder
material | ePTFE |
| 4. Braided shield
material
size | silver plated copper
AWG 40 (01) |
| 5. Binder
material | ePTFE |
| 6a. Jacket
material
colour
print, green | high strength toughened fluoropolymer
white
„GSC-03-84820-00 WO ...” (WO = work order no.) |
| 6b.
material
colour | high strength toughened fluoropolymer
natural, laser markable |

Ersatz für / Replacement for		Ersetzt durch / Replaced by		Formular Beschreibung / Description	
				Digital Data Transmission Cable Star Quad 100 Ohms - Light Weight	
C	06.10.16	GD	10274		
B	10.08.16	SH	10113		
A	16.07.15	SH	-		
Revision	Date	Author	PLFECO no.		
 W.L. Gore & Associates GmbH Nordring 1 D-91785 Pleinfeld				Tel 09144 / 601-0 Fax 09144 / 6361, 6816	
				Identnr. / Ident No. GSC-03-84820-00	
				Seite / Page 2/3	

Characteristics

Operating voltage:	< 50 V rms
Test voltage:	2,5 kV DC
Insulation resistance:	1,5 GΩ x km
Impedance A/C; B/D	100 Ohm +/- 10 Ohm
Mutual Capacitance	45 pf/m
Velocity of Propagation	> 70 %
Attenuation	6,5 dB max @ 10 MHz / 50 m*) 22,0 dB max @ 100 MHz / 50 m*)
NEXT	50,3 dB min @ 10 MHz 35,3 dB min @ 100 MHz
Skew within pair	15 ps/m
Structural return loss	25,0 dB @ 10 MHz 20,1 dB @ 100 MHz
Loop-resistance A/C; B/D	< 292 Ω /km max.
DC-resistance Pos. 4	< 33 Ω /km max.
Operating temperature:	-65°C to +200°C
Bending radius, static	15 mm min.
Weight	23 g/m nom. / 26 g/m max.

*) Cable Budget Length to meet CAT5e Attenuation requirements!

Ersatz für / Replacement for		Ersetzt durch / Replaced by		Formular Beschreibung / Description	
				Benennung / Description	
				Digital Data Transmission Cable Star Quad 100 Ohms - Light Weight	
C	06.10.16	GD	10274		
B	10.08.16	SH	10113		
A	16.07.15	SH	-		
Revision	Date	Author	PLFECO no.		
 W.L. Gore & Associates GmbH Nordring 1 D-91785 Pleinfeld				Identnr. / Ident No. GSC-03-84820-00	
				Seite / Page 3/3	