

Fischer *MiniMax*TM Series

Cable
Specifications



Connect²

Expertise | Reliability | Innovation



Headquarters
Fischer Connectors SA
Ch. du Glapin 20
1162 Saint-Prex
Switzerland
Phone +41 21 800 95 95
mail@fischerconnectors.ch
www.fischerconnectors.com

Edition 3.5

fischer[®]
CONNECTORS

Introduction

Connect² Innovation

The Fischer MiniMax™ Series increases the performance of your ruggedized devices, handling more mixed signal and power connections, while saving money, space and weight. This innovative, first to market, high-density miniature solution uses proven industry pin socket technology.

The Fischer MiniMax™ Series is available as standalone connector or as a complete pre-cabled solution with overmolding and protection caps. Choose push-pull, quick release or screw lock connections.

This brochure gives an overview of the different cables Fischer Connectors is currently offering for the Fischer MiniMax™ Series.

Table of contents

Introduction	2
19-Way Twisted pair cable (Datacom)	3
24-Way Twisted pair cable (Datacom)	4

NOTE

As of the end of April 2013, production of the straight wire cable has transitioned to the 20 Color. Pre-cabled units with the 14 Color may still be available.

19-Way Twisted pair cable (Datacom)

1. STRAIN CORD (CENTER)

Kevlar (10kgf breaking strain)

2. WIRES A

2 x 2 x 42/0.10mm (22AWG)
PLAIN COPPER ISOLATED TPE

3. WIRES B

3 x 2 x 7/0.127mm (28AWG)
1 x 7/0.127mm (28 AWG)
PLAIN COPPER ISOLATED TPE

4. WIRES C

4 x 2 x 7/0.127mm (28 AWG Cat 6A)
PLAIN COPPER ISOLATED TPE

5. Separators

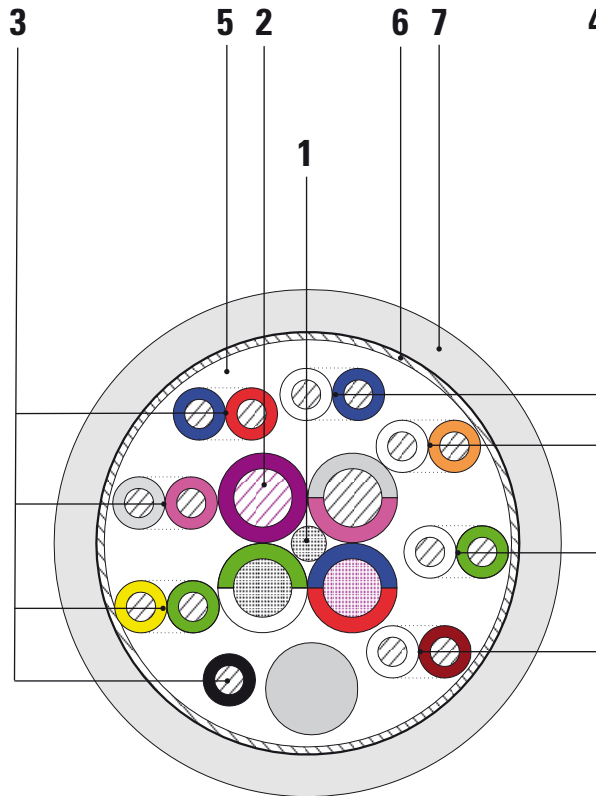
Nonwoven tape and ALU-foil overlapping wrapped

6. Screen

Tinned copper wrapping, overlap 90%

7. SHEATH

Black PUR



Product Specification

Conductors A	2 x 2 x 42/0.10mm (22AWG)
Core colors	Violet, grey-pink, red-blue, white-green
Conductors B	3 x 2 x 7/0.127mm (28AWG) + 1 x 7/0.127mm (28AWG)
Core colors	blue/red, grey/pink, yellow/green, black
Conductors C	4 x 2 x 7/0.127mm (28AWG Cat 6A)
Core colors	White numbered 1-4, blue, orange, green, brown
Centre	Kevlar (10kg breaking strain)
Screen	Tinned copper wrapping, overlap 90%
Sheath	PUR Black
UV resistance	Yes
Dia. over Sheath	6.5mm±0.2
Color	Black
Finish	Matt
ROHS-Compliant	Yes
Test voltage	600V
Operating voltage	250V
Weight	59kg/km
Impedance	100+/- 10Ω (AWG28) 125Ω +/-20% (AWG 22)

This information is confidential and only intended for the person to whom it is addressed.

24-Way Twisted pair cable (Datacom)

1. STRAIN CORD (CENTER)

Kevlar (10kgf breaking strain)

2. WIRES A

4 x 42/0.10mm (22AWG) PLAIN COPPER ISOLATED TPE

3. WIRES B

10 x 2 x 7/0.10mm (30AWG) PLAIN COPPER ISOLATED TPE

4. Separators

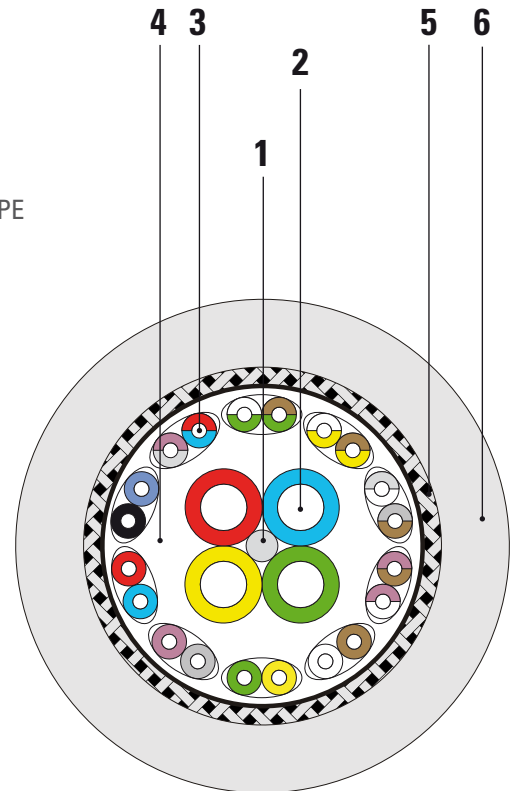
Nonwoven ribbon

5. Screen

Tinned copper wire braid, overlap 90%

6. SHEATH

Black PUR



Product Specification

Conductors A	4 x 42/0.10mm (22AWG)
Core colors	Red, blue, green, yellow
Conductors B	10 x 2 x 7/0.10mm (30AWG)
Core colors	black, violet, pink / grey, white / grey, brown / grey, brown / pink, white / pink, brown, red, blue, brown / green, white/ yellow, brown / yellow, white, yellow, green, pink, grey, red / blue, white / green.
Centre	Kevlar (10kg breaking strain)
Screen	Tinned copper wire braid, overlap 90%
Sheath	Halogen Free PUR
UV resistance	Yes
Dia. over Sheath	6.7mm
Color	Black
Finish	Matt
ROHS-Compliant	Yes
Operating voltage	250V
Test voltage	500V
Insulation resistance	20MΩ/km at 20°C
Weight	56kg/km
Impedance	125Ω +/- 20%
Diaphony	> 1 MHz

This information is confidential and only intended for the person to whom it is addressed.

Fischer sales network

Headquarters

FISCHER CONNECTORS SA
Ch. du Glapin 20
1162 Saint-Prex
Switzerland
Phone +41 21 800 95 95
www.fischerconnectors.ch
mail@fischerconnectors.ch

Subsidiaries

United States & Canada

FISCHER CONNECTORS Inc.
Atlanta, GA
Phone +1 678 393 5400
Toll free : 800 551 0121
www.fischerconnectors.com
mail@fischerconnectors.com

France

FISCHER CONNECTORS Sarl
Paris
Phone +33 1 5578 2578
Appel gratuit : 0 800 590 444
www.fischerconnectors.fr
mail@fischerconnectors.fr

Germany, Austria & Eastern Europe

FISCHER CONNECTORS GmbH
Zorneding
Phone +49 8106 37722 0
Gebührenfrei : 0 800 233 3233
www.fischerconnectors.de
mail@fischerconnectors.de

Italy

FISCHER CONNECTORS Srl
Monza
Phone +39 039 734 072
www.fischerconnectors.it
mail@fischerconnectors.it

Sweden & Finland

FISCHER CONNECTORS AB
Billdal
Phone +46 31 910 420
www.fischerconnectors.se
mail@fischerconnectors.se

United Kingdom & Ireland

FISCHER CONNECTORS Ltd.
Havant/Hampshire
Phone +44 23 9245 9600
Toll free : 0 800 432 0301
www.fischerconnectors.co.uk
sales@fischerconnectors.co.uk

India

FISCHER CONNECTORS India Pvt. Ltd.
Gurgaon - Haryana
Phone +91 124 4255642 to 45
www.fischerconnectors.in
raman.kalra@fischerconnectors.in

Asia

FISCHER CONNECTORS ASIA Ltd.
Hong Kong
Phone +852 2620 6118
www.fischerconnectors.hk
mail@fischerconnectors.hk



www.fischerconnectors.com



Visit
www.fischerconnectors.com/contacts
to find details on Fischer
Connectors authorized distributors

Edition 3.5

© Fischer Connectors SA
All rights reserved - 04.2015
Changes without prior notice

fischer[®]
CONNECTORS