



GORE® Trackless

HIGH FLEX CABLE

Eliminates Cable Track

Eliminate Cable Track

GORE® Trackless High Flex Cables allow automated equipment manufacturers to eliminate cable track. By incorporating GORE® Trackless Cable many of the problems associated with cable track, such as particulation, vibration, size and weight, will be eliminated. These cables also provides increased positioning accuracy, faster speeds, quieter motion, consistent installation, simpler cable management, and cleaner operation. Gore's on-line design tool enables customers to choose from standard components to design a cable to meet specific application requirements. GORE® Trackless High Flex Cable provides reliability and superior performance.

Gore's offering includes the components necessary to drive and control your motion system. GORE® Trackless High Flex Cable bundles electrical and pneumatic lines into one low profile, self-supporting package for simple cable management. Up to three cables can be stacked together reducing the overall footprint. GORE® Trackless High Flex Cable comes prepped and ready for termination with standard clamps that mount right onto your platform.

ON-LINE DESIGN TOOL

Gore's on-line design tool provides system designers with step-by-step instructions to configure GORE® High Flex Flat Cable, GORE® High Flex Round Cable, or GORE® Trackless High Flex Cable from standard components. The design process is quick and easy. Just enter your application parameters, select your cable cores from the menu of offerings, choose a configuration, place cores within your cable configuration, and submit the specification to Gore.



3-D view of a GORE® Trackless High Flex Cable



gore.com/designacable

KEY FEATURES

- Proven flex life greater than 10 million cycles at 50 mm (2") bend radius
- Clean, non-particulating jacket
- Easy on-line design tool

KEY BENEFITS

- Prevents downtime
- Eliminates cable track
- Reduces cable footprint

PRODUCT SPECIFICATIONS

Maximum Self-Supporting Stroke Length ¹	1500 mm (60 in.)
Maximum Acceleration	4 G (39 m/s ²)
Temperature	-40°C to 80°C
Cable Core Types	Signal, Power, Fiber Optic, and Pneumatic
Cable Certifications	UL ² , CSA, and CE

¹ Base plate required. ² UL Style 21090:80°C, pneumatic tubes are not UL recognized



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COMMON CORES

201
Formerly A



Shielded Power Cable
3 x AWG 16
ePTFE binder over shield (not an insulator)
Colors: yel-grn, red, wht
Ratings: 600V rms
Dimensions: 5.0mm (0.20")

202
Formerly B



Shielded Power Cable
4 x AWG 18
ePTFE binder over shield (not an insulator)
Colors: yel-grn, red, wht, blu
Ratings: 600V rms
Dimensions: 4.7mm (0.18")

203
Formerly C



Shielded Power Cable
4 x AWG 20
ePTFE binder over shield (not an insulator)
Colors: yel-grn, red, wht, blu
Ratings: 600V rms
Dimensions: 4.5mm (0.18")

204
Formerly D



Unshielded Signal Cable
7 Twisted Pairs AWG 26
Colors: wht-blk/blk, wht-brn/brn, wht-red/red, wht-org/org, wht-yel/yel, wht-grn/grn, wht-blu/blu
Ratings: 300V rms
Dimensions: 4.0mm (0.16")

205
Formerly E



Shielded Signal Cable
5 Twisted Pairs AWG 26
ePTFE binder over shield (not an insulator)
Colors: wht-blk/blk, wht-brn/brn, wht-red/red, wht-org/org, wht-yel/yel
Ratings: 300V rms
Dimensions: 4.2mm (0.17")

206
Formerly F



Signal Cable
3 Shielded Twisted Pairs AWG 26
300V rated insulation over shield
Colors: wht-blk/blk, wht-brn/brn, wht-red/red
Ratings: 300V rms
Dimensions: 4.6mm (0.18")

207
Formerly G



Video Cable / 75 ohm Cable
3 Coaxes
300V rated insulation over shield
Colors: all white
Ratings: 75 Ohm RG 179B Equivalent
Dimensions: 4.8mm (0.19")

208
Formerly H



Video Cable / 50 ohm Cable
3 Coaxes
300V rated insulation over shield
Colors: all white
Ratings: 50 Ohm RG 316 Equivalent
Dimensions: 5.0mm (0.19")

218
Formerly S



Encoder Cable (Heidenhain Compatible)
4 Twisted Pairs AWG 26
Colors: brn/grn, yel/vio, grey/pink, red/blk
4 X AWG 24
Colors: wht, brn-grn, wht-grn, blu
ePTFE binder over shield (not an insulator)
Ratings: 300V rms
Dimensions: 5.0 mm (0.20")

209
Formerly I



Ethernet / Cat 5e Equivalent
4 Twisted Pairs with overall shield AWG 26
ePTFE binder over shield (not an insulator)
Colors: wht-brn/brn, wht-org/org, wht-blu/blu, wht-grn/grn
Ratings: 100 Ohm +/- 15 Ohm 50V rms
Dimensions: 4.7mm (0.18")

210
Formerly J



IEEE 1394a / IEEE 1394b
2 Shield Twisted Pairs AWG 28,
2 Conductors AWG 22 with overall shield
ePTFE binder over shield (not an insulator)
Colors: red x grn, blu x org, blk, wht
Ratings: IEEE 1394a/IEEE 1394b
Dimensions: 5.7mm (0.22")

211
Formerly K



Shielded Power
2 x AWG 22
ePTFE binder over shield (not an insulator)
Colors: blk/wht
Ratings: 300V rms
Dimensions: 2.7mm (0.11")

212
Formerly L



Tube
4.3mm ID / 6.4mm OD (0.17" ID / 0.25" OD)
Polyurethane 85 Shore A
Color: Clear
Ratings: 70 psi max at 73° F
Dimensions: 6.2mm (0.24")

213
Formerly M



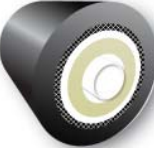
Tube
2.5mm ID / 4.0mm OD (0.10" ID / .16" OD)
Polyurethane 95 Shore A
Color: Clear
Ratings: 85 psi max at 73° F
Dimensions: 4.0mm (0.16")

214
Formerly N



Tube
4.0mm ID / 6.0mm OD (0.16" ID / 0.24" OD)
Polyurethane 85 Shore A
Color: Clear
Ratings: 70 psi max at 70° F
Dimensions: 6.0mm (0.24")

215
Formerly P



Fiber Optic
Multi-Mode Glass Fiber
Thermoplastic Jacket
Color: Black/ Black
Strain Relief: Aramid Fiber Braid
Ratings: 62.5 / 125 micron
Dimensions: 2.5mm (0.10")

216
Formerly Q



Shielded Power or Ground Cable
1 x AWG 12
ePTFE binder over shield (not an insulator)
Color: gray
Ratings: 600V rms
Dimensions: 4.0mm (0.16")

217
Formerly R



Shielded Power Cable W/Thermister
4 x AWG 16
Colors: yel-grn, red, wht, blk
2 x AWG 22
Colors: blk/wht
ePTFE binder over the shield (not an insulator)
Ratings: 600V rms (AWG 16) / 300V rms (AWG 22)

W. L. Gore & Associates, Inc.

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