

Pull-Planner™ Cable Tension Calculation Data Form

Pull Identification

Pull Name and Identification: _____

Conduit and Cable Data

Conduit Inner Diameter (in, mm): _____

Cable Information:

	Type 1	Type 2	Type 3
Cable outside diameter (in, mm):	_____	_____	_____
Cable weight (lbs/ft, kg/m):	_____	_____	_____
Number of cables	_____	_____	_____

Note: add additional cable type(s) if necessary.

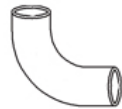
Cable jacket and conduit type: _____ *(This will help determine COF)*

Raceway Bend Information

Types of Bends



Horizontal Bend

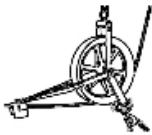


Vertical Concave Up

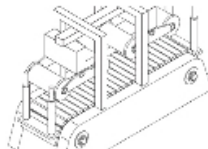


Vertical Concave Down

Other Bend Inserts

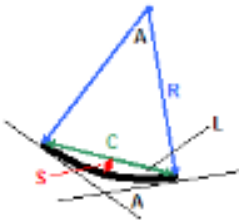


Roller



Push/Pull Device

Large Radius Bends



L, Bend Length (ft, m)	_____
R, Bend Radius (ft, m)	_____
A, Bend Angle (degrees)	_____
C, Bend Chord (ft, m)	_____
S, Bend Sagitta (ft, m)	_____

Only two of the five variables are required.

Raceway Entry

Segment 1

Straight Section

Straight Section Slope (θ degrees) _____

Slope Direction (up/down) _____

Straight Section Length (ft, m) _____

Bend Section

Bend Type _____

Bend Direction (up/down) _____

Bend Radius (ft, m) _____

Bend Angle (θ degrees) _____

Segment 2

Straight Section

Straight Section Slope (θ degrees) _____

Slope Direction (up/down) _____

Straight Section Length (ft, m) _____

Bend Section

Bend Type _____

Bend Direction (up/down) _____

Bend Radius (ft, m) _____

Bend Angle (θ degrees) _____

Segment 3

Straight Section

Straight Section Slope (θ degrees) _____

Slope Direction (up/down) _____

Straight Section Length (ft, m) _____

Bend Section

Bend Type _____

Bend Direction (up/down) _____

Bend Radius (ft, m) _____

Bend Angle (θ degrees) _____

Segment 4

Straight Section

Straight Section Slope (θ degrees) _____

Slope Direction (up/down) _____

Straight Section Length (ft, m) _____

Bend Section

Bend Type _____

Bend Direction (up/down) _____

Bend Radius (ft, m) _____

Bend Angle (θ degrees) _____

Segment 5

Straight Section

Straight Section Slope (θ degrees) _____

Slope Direction (up/down) _____

Straight Section Length (ft, m) _____

Bend Section

Bend Type _____

Bend Direction (up/down) _____

Bend Radius (ft, m) _____

Bend Angle (θ degrees) _____

Add additional segments as necessary.

Pull-Planner Software uses tension estimation equations common in technical studies and industry standards. For further information reference the Pull-Planner 4.0 Help Menu.