MODEL : BTS

Dimension

MODEL - BTS

4 Core shielded & braided
polyurethane cable 24 AWG

ØA
H
ØE
ØF
ØG

Ex +   RED
Mv +   GREEN
Ex -   BLACK
Mv -   WHITE
SH   GROUND
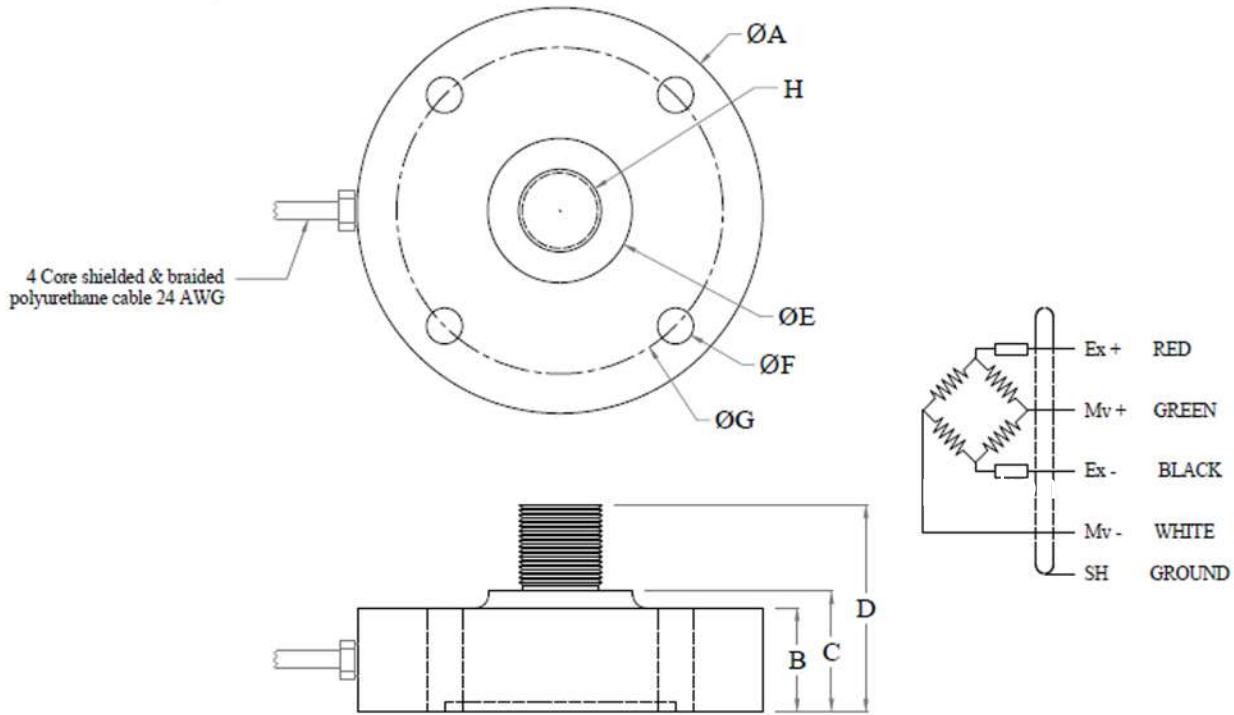
Cap. Tf	A	B	C	D	E	F	G	H
45/50	118	30	35	60	42	10.5	95	M24x1.5

All Dimensions are in mm.

MODEL : BTS

Performance Data

Capacity Range (in Kg)	
Capacity Range (in tf)	45/ 50
Nominal Sensitivity (mv/V)	1±0.25%
Zero Signal Tolerance	0 ± 2%
Input Resistance	350±5 Ω
Output Resistance	350 ± 3 Ω
Recommended Excitation Voltage	10 VDC
Maximum Excitation Voltage	18 VDC
Linearity Deviation (as % of Full Scale)	< ± 0.025
Repeatability (as % of Full Scale)	< ± 0.025
Hysteresis (as % of Full Scale)	< ± 0.025
Creep (as % of Full Scale) in 30 min	< ± 0.020
Effect of Temperature on Zero (% / ˚C)	± 0.002
Effect of Temperature on Span (% / ˚C of Load)	± 0.001
Compensated Temperature Range	-10 to + 40˚C
Operating Temperature Range	-20 to +70˚C
Combined Error (as % Full Scale)	< ± 0.04%
Isolation Resistance (@ 50 VDC)	> 1000 M Ω
Max. Limit Force (as % of Full Scale)	150
Breaking Force (as % of Full Scale)	300
Lateral Load Limit (as % of Full Scale)	
Protection Class	IP 67
Material of Construction	High Nickel Alloy Steel

Features

★ Low Deflection & Creep
★ Allows High permissible Dynamic Load
★ High Fatigue Rated & Impact Resistant

Application

★ Level Measurement in Tank /
★ Hopper /Testing machine (for use Compression Mode Only)
★ Process Automation / Mines & refinery