

BO HF SERVO1000 PVC UL/CSA ACC. TO SEW®

EXTRAFLEX CU/PP/C/PVC (COMBI POWER+CONTROL 4x..+3x..)

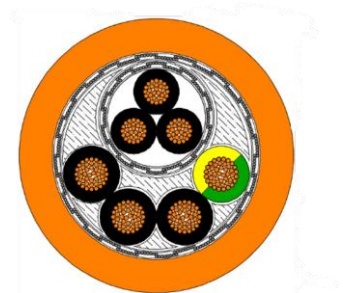
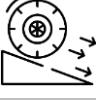


Image for illustration only

Conductor:	Bare copper according to VDE 0295 - IEC 60228 cl.6
Insulation:	Polypropylene compound
Colour Code:	Power: Black with white numbers + G/Y Control: Black with white numbers
Group Control:	Wrapping: Black - White twisted in group + non woven tape overlapped Screen: Tinned copper braid optical coverage approx 85% Taping: Non woven tape overlapped
Assembly:	Conductors + group Control with central and lateral fillers cabled together with optimal lay-length Taping: Non woven tape overlapped
Screen:	Tinned copper braid, optical coverage approx 85% Taping: Non woven tape
Outer Sheath:	PUR compound Colour: Orange, RAL 2003 (or to be agreed)
Cable Printing:	- Standard
Technical Data & Standard References	Temperature Range: -30°C +90°C (Flexible application) -40°C +90°C (Fixed installation)
	Working Voltage: 1000V Test Voltage: 4000V Insulation Resistance: At 20°C > 1 GΩ Km Conductor Resistance: Max at 20°C in accordance with IEC 60228 and VDE 0812
	Bending Radius: 6,5 X D (Flexible application) - 4 X D (Fixed installation) Maximum Speed: Up to 300 m/min Maximum Acceleration: Up to 50 m/sec ² Length of Chain: 15m (Orizontal only) Cycle Number: 5.000.000

	Halogen Free: IEC 60754-1 Flame Resistance: IEC 60332-1-2, UL 1581 VW-1, CSA FT1 Oil Resistance: VDE 0473-811-404, UL 1581, IEC 60811-404 UV Resistance: Yes Abrasion Resistance: ASTM D 4060 Water Resistance: EN 60811-1-3 MUD Resistance: NEK 606 Microbe: Resistance: VDE 0282/10 Ozone: Resistance: EN 50396 Art. 8.1.3 Approvals: UL STYLE 21209
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TECHNICAL DATA AND PRODUCT FEATURES

	TEMPERATURE RANGE -30°C +90°C (Flexible application) -40°C +90°C (Fixed installation)
	WORKING VOLTAGE 1000 V
	TEST VOLTAGE 4000 V
	INSULATION RESISTANCE At 20°C > 1 GΩ Km
	CONDUCTOR RESISTANCE Max at 20°C in accordance with IEC 60228 and VDE 0812
	HALOGEN FREE IEC 60754-1
	FLAME RESISTANCE IEC 60332-1-2, UL 1581, CSA FT1
	OIL RESISTANCE VDE 0473-811-404, UL 1581, IEC 60811-404
	UV RESISTANCE Yes
	ABRASION RESISTANCE ASTM D 4060

	WATER RESISTANCE EN 60811-1-3
	MUD RESISTANCE NEK 606
	MICROBE RESISTANCE VDE 0282/10
	OZONE RESISTANCE EN 50396 Art. 8.1.3
	APPROVALS UL STYLE 21209
	BENDING RADIUS 6,5 X D (Flexible application) - 4 X D (Fixed installation)
	MAXIMUM SPEED Up to 300 m/min
	MAXIMUM ACCELERATION Up to 50 m/sec ²
	LENGTH OF CHAIN 15m (Horizontal only)
	CYCLE NUMBER 5.000.000

Application: Shielded quadripolar cables with control terns compliant with the SEW® standard with low-capacity insulation and polyurethane sheath for heavy duty applications in cable chains at high speeds in the presence of oils with high resistance to abrasion