

OLFLEX® 120 H/ 120 CH

Flexible Halogen Free Control Cables



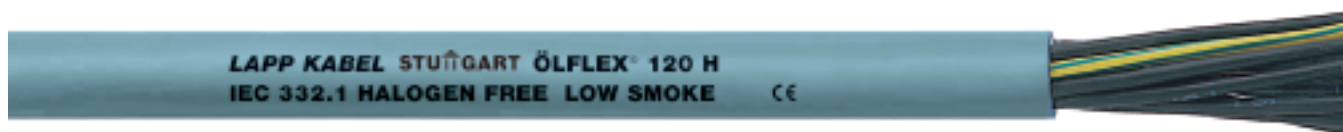
OLFLEX® 120 H is a low smoke and zero halogen multi-conductor cable. The material used is flame retardant self-extinguishing, UV resistant and non-corrosive. OLFLEX® 120 H is designed for use in all electrical equipment in dry, damp, and wet conditions. Recommended applications include machine tool, data processing equipment, and ventilation and air conditioning systems.

Use OLFLEX® 120 CH when a braid shield is needed to suppress EMI and reduce electrical interference.

OLFLEX® 120 H and OLFLEX® 120 CH are completely recyclable making it environmentally friendly.

OLFLEX® 120 H Construction:

Finely stranded bare copper conductors, halogen free polymer compound, specially formulated low smoke, gray halogen free polymer jacket



OLFLEX® 120 CH Construction:

Finely stranded bare copper conductors, halogen free polymer compound, specially formulated low smoke, gray halogen free inner jacket, tinned copper braid shield (85% coverage) polymer jacket



Cable Attributes							
	OR-01		FR-02		FL-01		MP-01

Technical Data:

	Minimum Bend Radius for installation: for shield:	4 x cable diameter 6 x cable diameter		Conductor Stranding:	Fine wire per VDE 0295, Class 5/ IEC 60228 Cl.5
	Temperature Range:	-40°C to +70°C		Color Code:	Black cores with white numbers plus green/yellow ground
	Nominal Voltage:	300/500V		Approvals:	Based on VDE specifications
	Test Voltage:	4000V			Conforms to CE Low Voltage Directive

OLFLEX® 120 H/ 120 CH

Flexible Halogen Free Control Cables



OLFLEX® 120 H: Halogen Free Control Cables

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft kg/km		Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft kg/km	
18 AWG (32/32) 1.00 mm²						14 AWG (50/30) 2.50 mm²					
1021203	3	.236	6.0	40	60	1021403	3	.319	8.1	83	124
1021204	4	.256	6.5	50	74	1021404	4	.350	8.9	103	154
1021205	5	.280	7.1	59	88	1021405	5	.394	10.0	127	189
1021207	7	.315	8.0	80	119	1021407	7	.437	11.1	171	254
1021212	12	.402	10.2	131	195	1021412	12	.583	14.8	286	425
1021218	18	.500	12.7	192	285	12 AWG (56/28) 4 mm²					
1021225	25	.579	14.7	261	388	1021504	4	.425	10.8	159	236
16 AWG (30/30) 1.50 mm²						10 AWG (84/28) 6 mm²					
1021303	3	.264	6.7	53	79	1021604	4	.512	13.0	235	350
1021304	4	.283	7.2	66	98						
1021305	5	.319	8.1	81	120						
1021307	7	.350	8.9	106	158						
1021312	12	.472	12.0	178	265						
1021318	18	.567	14.4	261	388						
1021325	25	.665	16.9	359	535						

OLFLEX® 120 CH: Shielded Halogen Free Control Cables

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft kg/km		Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft kg/km	
18 AWG (32/32) 1.00 mm²						14 AWG (50/30) 2.50 mm²					
1022203	3	.323	8.2	73	108	1022403	3	.406	10.3	125	186
1022204	4	.343	8.7	85	126	1022404	4	.445	11.3	152	226
1022205	5	.374	9.5	100	149	1022405	5	.496	12.6	185	275
1022207	7	.402	10.2	120	179	1022407	7	.547	13.9	243	361
1022212	12	.524	13.3	200	298	1022412	12	.693	17.6	381	567
1022218	18	.610	15.5	273	407	12 AWG (56/28) 4 mm²					
1022225	25	.689	17.5	355	529	1022504	4	.528	13.4	226	337
16 AWG (30/30) 1.50 mm²						10 AWG (84/28) 6 mm²					
1022303	3	.350	8.9	88	131	1022604	4	.622	15.8	319	474
1022304	4	.378	9.6	106	158						
1022305	5	.406	10.3	122	182						
1022307	7	.445	11.3	155	230						
1022312	12	.583	14.8	257	383						
1022318	18	.677	17.2	353	525						
1022325	25	.791	20.1	489	727						

* Additional configurations are available, please call your Lapp representative for more information.