

**TPE flexlife-20® (S101)**

**flexlife-20**, our latest innovation in high-flex cable, guarantees performance to 10 million cycles of continuous flexing, bending and twisting motion found in C-track, robotic and other motion systems. Our standard **flexlife** PVC and PUR control cables are designed to meet a minimum of 2 million flex cycles, but are often in use 7 to 8 million flex cycles and years later.

The **flexlife-20** design includes finely stranded custom alloy conductors, and proprietary blended thermoplastic insulation and cable jacket compounds. A flex facilitator made of PTFE is wrapped around the conductors, preventing heat build-up due to friction between the cable jacket and conductors during the flex cycle. See our **flexlife-20** brochure (B0422) for more information.

TPE FL-20 Cable	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	3	18	5.9 mm OD, TPE, YE, FL-20, 600 V	RF51173-30M RF51173-100M RF51173-200M	6 19 37	BN, BU, GN/YE		•	•	AWM 21002		105° -60°
	3	20	5.7 mm OD, TPE, GY, FL-20, 600 V	RF50940-30M RF50940-100M RF50940-200M	3 10 20	BN, BU, BK		•	•	AWM 21002		105° -60°
	4	18	6.4 mm OD, TPE, YE, FL-20, 600 V	RF50968-30M RF50968-100M RF50968-200M	6 19 37	BK, BU, WH, BN		•	•	AWM 21002		105° -60°
	4	22	5.7 mm OD, TPE, GY, FL-20, 600 V	RF50941-30M RF50941-100M RF50941-200M	3 10 20	BN, WH, BU, BK		•	•	AWM 21002		105° -60°
	5	18	7.2 mm OD, TPE, YE, FL-20, 600 V	RF51174-30M RF51174-100M RF51174-200M	6 20 39	BK, BU, GN/YE, BN, WH		•	•	AWM 21002		105° -60°
	5	22	5.7 mm OD, TPE, GY, FL-20, 600 V	RF50909-30M RF50909-100M RF50909-200M	3 10 20	GY, BN, WH, BU, BK		•	•	AWM 21002		105° -60°
	6	16	8.5 mm OD, TPE, YE, FL-20, 600 V	RF51044-30M RF51044-100M RF51044-200M	8 38 76	BK, WH, RD, OG, BU, GN		•	•	AWM 21002		105° -60°
	6	24	5.7 mm OD, TPE, GY, FL-20, 600 V	RF50910-30M RF50910-100M RF50910-200M	3 10 19	GY, BN, WH, PK, BU, BK		•	•	AWM 21002		105° -60°
	6	24	5.7 mm OD, TPE, BK, FL-20, 600 V	RF51111-30M RF51111-100M RF51111-200M	3 10 20	GN, YE, GY, BN, BU, WH		•	•	AWM 21002		105° -60°
	7	16	9.6 mm OD, TPE, YE, FL-20, 600 V	RF51049-30M RF51049-100M RF51049-200M	10 40 80	BK, WH, RD, OG, GN, BU, WH/BK		•	•	AWM 21002		105° -60°
	7	18	7.4 mm OD, TPE, YE, FL-20, 600 V	RF51149-30M RF51149-100M RF51149-200M	9 39 78	BK, WH, RD, OG, BU, GN, WH/BK		•	•	AWM 21002		105° -60°
	8	16	9.6 mm OD, TPE, YE, FL-20, 600 V	RF51050-30M RF51050-100M RF51050-200M	10 40 80	RD, GN, OG, BU, WH/BK, BK, RD/BK, WH		•	•	AWM 21002		105° -60°
	8	24	5.7 mm OD, TPE, GY, FL-20, 600 V	RF50911-30M RF50911-100M RF50911-200M	4 11 21	BU, WH, BN, GN, YE, GY, PK, RD		•	•	AWM 21002		105° -60°
	9	16	10.5 mm OD, TPE, YE, FL-20, 600 V	RF51051-30M RF51051-100M RF51051-200M	10 40 80	BU, RD/BK, GN/BK, WH, RD, GN, BK, WH/BK, OG		•	•	AWM 21002		105° -60°
	10	16	10.5 mm OD, TPE, YE, FL-20, 600 V	RF51052-30M RF51052-100M RF51052-200M	11 41 82	OG/BK, RD, GN, OG, BU, WH/BK, RD/BK, GN/BK, BK, WH		•	•	AWM 21002		105° -60°
	10	24	7.0 mm OD, TPE, BK, FL-20, 600 V	RF50954-30M RF50954-100M RF50954-200M	5 15 30	GN, GY, VT, YE, BK, WH, RD, BN, PK, BU		•	•	AWM 21002		105° -60°
	10	24	7.0 mm OD, TPE, BK, FL-20, 600 V	RF51077-30M RF51077-100M RF51077-200M	5 15 30	GN, GY, OG, YE, TN, WH, RD, BN, PK, BU		•	•	AWM 21002		105° -60°
	12	16	11.2 mm OD, TPE, YE, FL-20, 600 V	RF51148-30M RF51148-100M RF51148-200M	134 385	OG, BU, WH/BK, RD/BK, GN/BK, OG/BK, BU/BK, BK/WH, GN, WH, RD, BK		•	•	AWM 21002		105° -60°