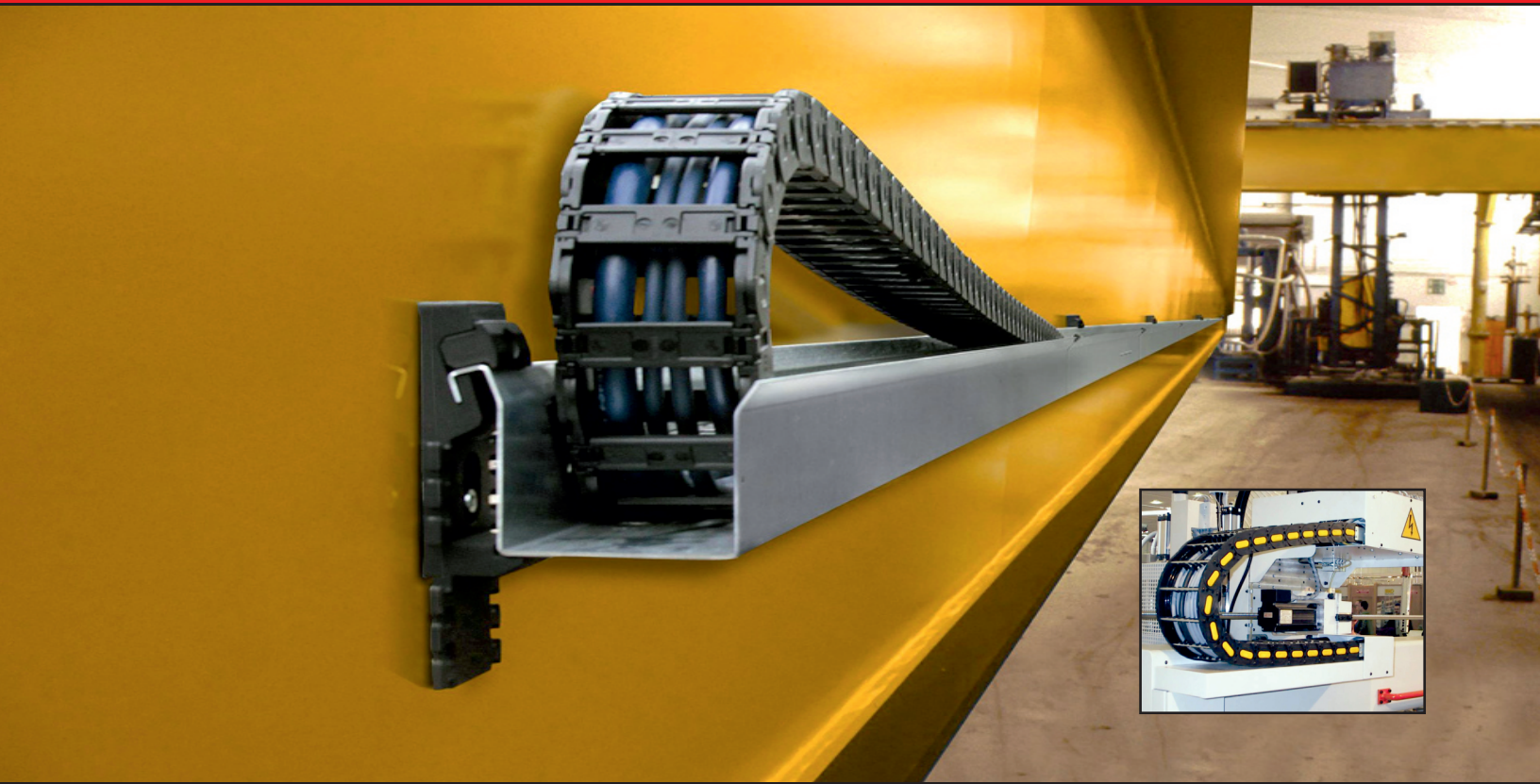


DRAG CHAIN CABLES



Application

Drag chain cables are highly flexible chain cables which are used for moving applications in energy chains, robot applications, modern automated manufacturing systems etc. The twistable robot cables meet extremely high industrial stress requirements and score points with properties such as resistance to hydrolysis and microbes, UV Resistance and many others. Drag chain cables are highly flexible and are subject to millions of movements in very limited space, friction, very high movement speeds as well as constant accelerations and decelerations. Unique drag chain cables are suitable for small bending radius and offers longer life under arduous conditions. In order to comply with the said demands, Unique drag chain cables for movement are tested in our own lab with a state-of-the-art testing system. The system of our own design verifies the cables with rapid accelerations and decelerations and with continuous efforts of traction & bending.

Description

1100V grade Annealed Bare Copper Conductor, TPE Insulation (Mechanically high quality TPE mixture) & TPE Sheath (Extremely abrasion-resistant and highly flexible TPE).

Properties of TPE			
1	Hardness (ASTM D-2240)	Min.	94 Shore A
2	Tensile Strength (ASTM D-412)	Min.	12 N/mm ²
3	Elongation at Break (ASTM D-412)	Min.	450 %
4	Thermal Stability at 200°C (As per IS: 10810)	Min.	100
5	UV Resistant		Yes
6	Heat, Oil & Flame Retardant		Yes
7	Melt fellow Index (ASTM D-1238)	Gm/10 Temp-230°C wt-2.26 kg	3.60
8	Abrasion Resistant (DIN 53516)	Mm ³	115
9	Tear Strength (ASTM D-624)	Kg/cm	60
10	Specific Gravity (ASTM D-972)		0.967

* Screened (ATC Braided) can be provided if required.

