



ASGCO[®]

Mid-Atlantic

Conveyor Solutions

STEEL-FLEX™ Conveyor Belting

**High Strength and
Abrasion Resistant
Conveyor Belting**

Need Solutions...*to improve efficiency, safety and productivity?* **ask... ASGCO[®]**

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STEEL-FLEX™ CONVEYOR BELTING



ASGCO®'s Steel-Flex™ steel cord conveyor belts are suitable for high strength, long distance, and heavy load transportation of materials, which are widely used in coal mines, hard rock mining, bulk shipping terminals / port facilities, coal-fired power plants and mineral mining.

PRODUCT CHARACTERISTICS:

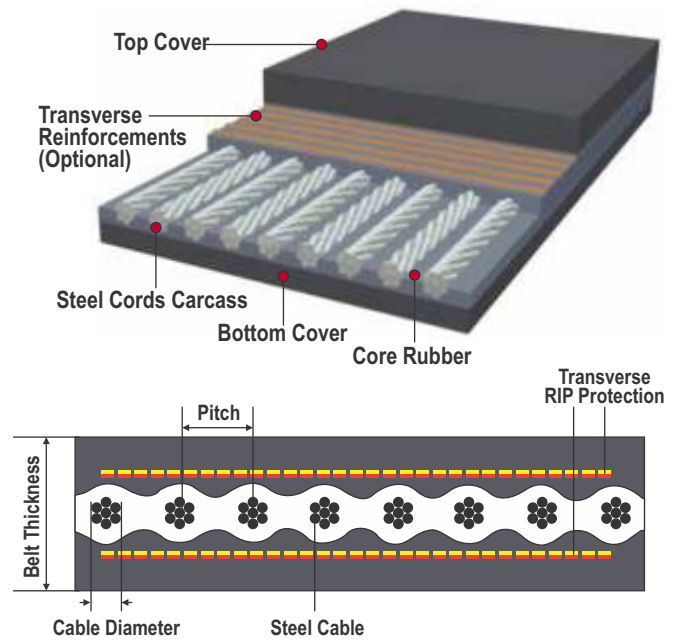
- **Ratings:** ST-500 to ST-5000
- **Top Cover:** .20" (5mm) and above
- **Bottom Cover:** .13 (3mm) and above
- **Common Widths:** up to 96" (2400mm) max
- **Edge:** Molded Edge Only
- **Splicing Method:** Splice per ASGCO®

PRODUCT BENEFITS:

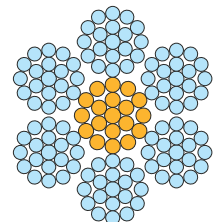
ASGCO® Steel-Flex™ is designed to perform in the following application:

- High Tension conveyors
- Long haul conveyors, overland conveyors
- Short, high speed feeder belts prone to rip and tear due to tramp material
- Heat Resistant belts prone to "burn through"
- Heavy duty elevator belts

STRUCTURE



The bond between the core rubber and the metallic surfaces as well as the complete filling of the spaces between the wires are essential for the long-term integrity of the belt carcass. The open cross-lay design ensures that the rubber penetrates thoroughly.



K6 x 19+IWS

STANDARD SPECIFICATION

Strength Grade	Tensile Strength (KN/m)	Cord Pitch		Cord Diameter		Min. Breaking Force (KN)	Min. Cover Thickness	
		in	mm	in	mm		in	mm
ST-500	500	.40	10	.10	2.5	5.5	.16	4
ST-630	630	.40	10	.11	2.8	7	.16	4
ST-800	800	.40	10	.12	3	8.9	.16	4
ST-1000	1000	.50	12	.15	3.7	12.9	.16	4
ST-1250	1250	.50	12	.16	4.2	16.1	.16	4
ST-1400	1400	.50	12	.17	4.3	18	.16	4
ST-1600	1600	.50	12	.19	4.7	20.6	.16	4
ST-2000	2000	.50	12	.21	5.3	25.6	.16	4
ST-2250	2250	.50	12	.21	5.3	29	.16	4
ST-2500	2500	.60	15	.27	6.8	40	.20	5
ST-2800	2800	.60	15	.28	7	44.8	.20	5
ST-3150	3150	.60	15	.31	7.8	50.5	.21	5.5
ST-3500	3500	.60	15	.32	8.2	56	.23	6
ST-4000	4000	.60	15	.35	8.8	63.5	.26	6.5
ST-4500	4500	.63	16	.38	9.7	76.3	.28	7
ST-5000	5000	.70	17	.43	10.9	91	.30	7.5
ST-5400	5400	.70	17	.44	11.3	98.2	.31	8
ST-6300	6300	.80	19.5	.50	12.8	130.4	.40	10
ST-7000	7000	.80	19.5	.53	13.5	142.4	.40	10
ST-7500	7500	.83	21	.54	13.8	166.7	.40	10
ST-8000	8000	.83	21	.55	14	180.9	.40	10
ST-9000	9000	.83	21	.58	14.8	203.2	.43	11
ST-10000	10000	.83	21	.60	15.5	225	.43	11

COVER COMPOUNDS:

AR1 (ARPM Grade 1)

- Cover compound is designed for high impact applications, where cutting, gouging and tearing of the covers is a primary concern.
- Ultimate high tensile strength rubber compounds that combines the best of impact and abrasion resistance.
- Meets ASTM DIN W (90 mm³) standard specification which exceeds RMA Grade 1 requirements.

AR2 (ARPM Grade II)

- Cover compound is designed for good abrasion, cut and gouge resistance.
- Recommended for most abrasive conveying applications, such as aggregates, limestone, recycling, sand and gravel.
- Meets ASTM (175 mm³) standard specification which exceeds RMA Grade II requirements.

FR2 (ARPM Grade II)

- Fire retardant/abrasion resistant compound that meets ARPM-FR Class 2
- Recommended for power generation facilities, above ground coal or non-coal mining and coal prep plants.
- FR2 is fully ozone, UV and abrasion resistant.
- MSHA Part 14, low rolling resistant and other covers available.



Wear Resistant



Heat Resistant



Fire Resistant



Oil Resistant



Energy Saving



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