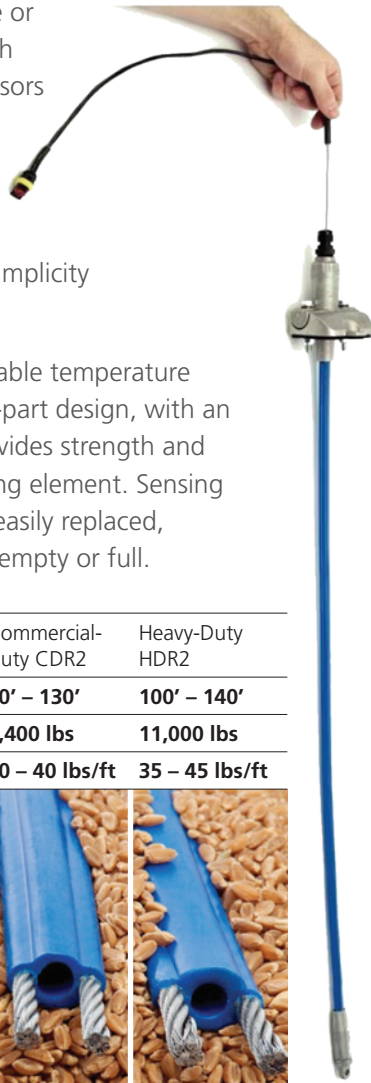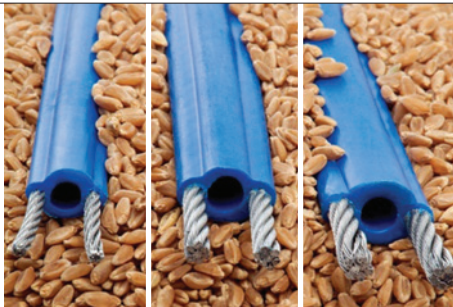# OPI StorMax Cables

StorMax Retractable Temperature Cables

Monitored bins consist of one or more cables per bin, with each cable having temperature sensors at 4' or 6' spacing. Based on our industry-leading digital technology, a series of cables may be interconnected to a convenient location for simplicity of installation and service.

Our exclusive series of retractable temperature cables features a reliable two-part design, with an outer structural tube that provides strength and protection for the inner sensing element. Sensing elements can be quickly and easily replaced, regardless whether the bin is empty or full.

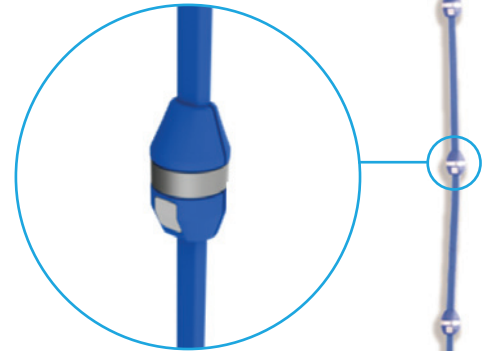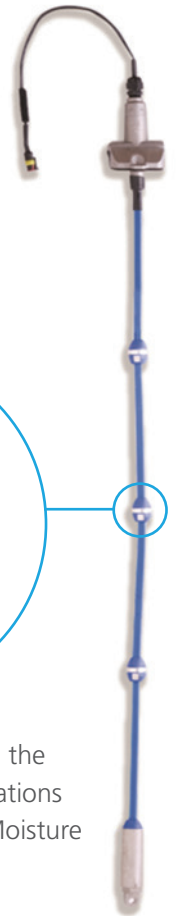| Cable Type	Medium-Duty MDR2	Commercial-Duty CDR2	Heavy-Duty HDR2
Grain Depth	Up to 80'	50' – 130'	100' – 140'
Tensile Strength	3,400 lbs	8,400 lbs	11,000 lbs
Estimated Load	20 lbs/ft	20 – 40 lbs/ft	35 – 45 lbs/ft

Moisture Cable

Compatible with all OPI systems, the OPI moisture cable is a valuable tool for your advanced grain management system.

Monitor temperature and humidity to calculate grain moisture content throughout the bin to manage all in-bin drying and conditioning applications.

Combine with automated fan control systems for the highest degree of moisture control and accuracy on the market.

The OPI moisture cable has sensors placed on the cable commonly at 4' intervals in farm applications and 6' intervals in commercial applications. Moisture cables are used in grain depths up to 85'.

Each sensor consists of a relative humidity sensor encapsulated in a protective shell with a sintered filter that protects the sensor from dust and contamination, while allowing for instantaneous readings.

By measuring the relative humidity in the airspace around the grain, we are able to determine grain moisture content with a high degree of accuracy.

Each sensor node also includes a temperature and humidity sensor, so that temperature, relative humidity and moisture content can be read up through the bin.
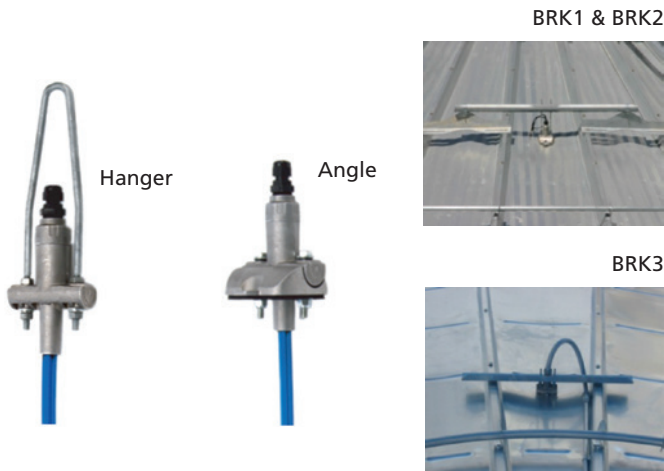
OPI STORMAX™

Number of Cables per Bin

Illustrated to the right are the OPI recommended cable placement patterns for bins up to 105' in diameter.

Cable Suspension and Roof Support Options:

Moisture and temperature cables come with the option of **hanger** suspension when hanging cables from structural members on the inside of the roof or **angle** suspension for installing cables on the outside of the roof.

BRK1 & BRK2

Hanger   Angle

BRK3

OPI also offers a series of roof support brackets which can be installed during or after bin construction using angle suspension.

Suggested bracket for cable type and length:

- BRK1 & BRK2 for radius MDR temperature cables up to 50' and moisture cables up to 70' in length
- BRK3 for radius MDR temperature cables up to 35' and moisture cables up to 50' in length

	Bin Diameter	Total # of Cables	Cable Locations
	<24'	1	1 @ center
	24'	1	1 @center
	36'	3	3 @ 9' out
	42'	5	1 @center 4 @ 14' out
	48'	6	1 @center 5 @ 16' out
	54'	7	1 @center 6 @ 18' out
	60'	8	1 @center 7 @ 20' out
	72'	13	4 @ 10' out 9 @ 27' out
	78'	14	4 @ 10' out 10 @ 29' out
	90'	19	1 @ center 6 @ 18' out 12 @ 36' out
	105'	26	3 @ 9' out 9 @ 26.5' out 14 @ 44' out

● Temperature Cable   ● Moisture Cable

OPI-15001-C-B

OPI™

Advancing Grain Storage Management

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