



CABLE MANAGEMENT · CONDUIT SYSTEMS

Steel Conduit Systems

Rigid, intermediate, EMT, metric and flexible steel conduit with fittings and supports, 1/2" to 6" and 16 to 32 mm.

■ Rigid steel conduit, RSC

■ Electrical metallic tubing, EMT

■ Flexible and liquid-tight conduit

■ Conduit bodies and boxes

■ Intermediate metal conduit, IMC

■ Metric heavy gauge conduit, BS / EN

■ Fittings for rigid conduit and EMT

■ Straps, hangers and clamps

Part numbers and finishes

Every CASK conduit part number describes the product: the base number, the trade size and the finish. The ERP builds the same number from the size, so offers, orders and the catalogue always match.

CST-CD101	-	100	-	HDG
Product base number		Trade size 1" = 100		Finish see table

Inch trade sizes

The size code is the trade size in hundredths of an inch: 1/2" = 050, 1-1/4" = 125, 4" = 400.

Metric conduit

BS / EN conduit uses the outside diameter in mm: CST-CD104-20-HDG is 20 mm heavy gauge conduit.

Fittings

Reducers add the second size: CST-CD209-100-075-HDG. Zinc alloy, brass and plastic fittings and PVC-jacketed conduit have no finish code.

CODE		FINISH	DESCRIPTION
-HDG		Hot-dip galvanized	Zinc coated inside and out after threading, to ANSI C80.1 / C80.6 and EN ISO 1461. Standard for RSC, IMC and BS conduit.
-PG		Pre-galvanized	In-line galvanized steel strip or tube, zinc outside and a corrosion-resistant coating inside. Standard for EMT.
-SS304 / -SS316		Stainless steel	Austenitic stainless steel AISI 304 or 316L, to UL 6A / UL 797A. Food, pharma, coastal and offshore sites.
-AL		Aluminium	Aluminium alloy 6063-T1 rigid conduit to ANSI C80.5 / UL 6A. Light, non-magnetic, no sparking.

Trade size	Metric designator	Size code
1/2"	16	050
3/4"	21	075
1"	27	100
1 1/4"	35	125
1 1/2"	41	150
2"	53	200

Trade size	Metric designator	Size code
2 1/2"	63	250
3"	78	300
3 1/2"	91	350
4"	103	400
5"	129	500
6"	155	600

ANSI C80.1 / UL 6	Rigid steel conduit (RSC), zinc coated
ANSI C80.6 / UL 1242	Intermediate metal conduit (IMC)
ANSI C80.3 / UL 797	Electrical metallic tubing (EMT)
ANSI C80.5 / UL 6A	Rigid aluminium and stainless conduit
EN 61386-21	Rigid conduit systems, metric

BS 4568-1	Steel conduit, metric, heavy gauge
UL 514B	Conduit, tubing and cable fittings
UL 467	Grounding and bonding equipment
ANSI/ASME B1.20.1	NPT taper pipe threads, 1:16
NEC 344 / 342 / 358	Installation of RMC, IMC and EMT

Choosing the right conduit

Guide only: the project specification and local wiring rules decide.



RSC
CST-CD101



IMC
CST-CD102



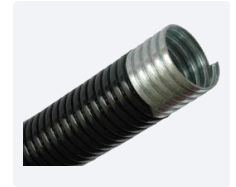
EMT
CST-CD103



Metric
CST-CD104



FMC
CST-CD111



LFMC
CST-CD112

Conduit	Part	Construction	Typical use	Outdoor	In concrete	Hazardous area
RSC	CST-CD101	Heaviest wall, threaded	Exposed, buried, concrete, hazardous areas, outdoor	●	●	●
IMC	CST-CD102	Medium wall, threaded	Same uses as RSC, about one third lighter	●	●	●
EMT	CST-CD103	Thin wall, unthreaded	Buildings, exposed and concealed; with compression fittings in wet areas	●		
Metric heavy gauge	CST-CD104	Threaded, metric	BS / IEC projects, surface and concealed in buildings	●	●	
FMC	CST-CD111	Flexible, bare	Dry connections to motors and equipment			
LFMC	CST-CD112	Flexible, PVC jacket	Wet, oily and outdoor connections to equipment	●		

Matching fittings and supports

Conduit	Joint	Fittings	Supports
RSC / IMC	NPT taper thread 1:16	CST-CD201 to CD215	CST-CD241 to CD248
EMT	Set-screw or compression	CST-CD221 to CD228	CST-CD241 to CD248
Metric heavy gauge	ISO metric thread, 1.5 mm pitch	CST-CD251 to CD258	CST-CD258, CD244, CD247
FMC / LFMC	Screw-in or liquid-tight connector	CST-CD228, CD231 to CD234	CST-CD241, CD247, CD248

Correct installation

1

Cut and ream

Cut square, ream the inside edge smooth and re-thread with a 1:16 NPT die. Touch up cut threads with zinc-rich paint.

2

Bend

Keep to the factory elbow radius or larger. No more than 360° of bends between pull points.

3

Join

Make threaded joints wrench tight, five full threads engaged. Tighten EMT set-screws until the head shears.

4

Bond

Use grounding bushings on concentric knockouts and where the conduit is the protective conductor.

Rigid steel conduit

Heavy-wall threaded conduit for exposed, buried and hazardous-area runs. 3.05 m lengths, NPT threaded both ends, one coupling fitted, thread protector on the free end.

Rigid steel conduit, RSC ANSI C80.1 · UL 6 · 1/2" to 6" · 12 sizes

CST-CD101


- Mild steel tube, welded and drawn, inside weld bead removed
- Hot-dip galvanized inside and out after threading
- Clear chromate top coat on the outside; smooth inner lacquer
- Stainless 316L (UL 6A) and aluminium (C80.5) on the same sizes
- Colour-coded thread protectors by trade size

Example part number

CST-CD101-100-HDG

Finish · ● = part number made

Size	Code	OD	Wall	ID	kg/m	TPI	HDG	SS316	AL
1/2"	050	21.3	2.64	16.1	1.22	14	●	●	●
3/4"	075	26.7	2.72	21.2	1.61	14	●	●	●
1"	100	33.4	3.20	27.0	2.38	11.5	●	●	●
1 1/4"	125	42.2	3.38	35.4	3.23	11.5	●	●	●
1 1/2"	150	48.3	3.51	41.2	3.87	11.5	●	●	●
2"	200	60.3	3.71	52.9	5.18	11.5	●	●	●
2 1/2"	250	73.0	4.90	63.2	8.24	8	●	●	●
3"	300	88.9	5.21	78.5	10.75	8	●	●	●
3 1/2"	350	101.6	5.46	90.7	12.95	8	●	●	●
4"	400	114.3	5.71	102.9	15.30	8	●	●	●
5"	500	141.3	6.22	128.9	20.73	8	●	●	●
6"	600	168.3	6.76	154.8	26.91	8	●	●	●

OD = outside diameter · Wall = nominal wall · ID = inside diameter, mm. kg/m for steel, nominal. TPI = threads per inch, NPT taper 1:16.

Part number = CST-CD101 - size code - finish, e.g. 2" stainless 316L: **CST-CD101-200-SS316**.

Intermediate metal conduit, IMC ANSI C80.6 · UL 1242 · 1/2" to 4" · 10 sizes

CST-CD102


- About one third lighter than RSC with the same thread and fittings
- Hot-dip galvanized inside and out
- Uses all CASK rigid conduit fittings CST-CD201 to CD208
- NEC article 342: exposed, concealed and buried

Example part number

CST-CD102-075-HDG

Finish · ● = part number made

Size	Code	OD	Wall	ID	kg/m	TPI	HDG
1/2"	050	20.7	1.78	17.1	0.83	14	●
3/4"	075	26.1	1.90	22.3	1.14	14	●
1"	100	32.8	2.16	28.4	1.63	11.5	●
1 1/4"	125	41.6	2.16	37.3	2.10	11.5	●
1 1/2"	150	47.8	2.29	43.3	2.57	11.5	●
2"	200	59.9	2.41	55.1	3.42	11.5	●
2 1/2"	250	72.6	3.56	65.5	6.05	8	●
3"	300	88.3	3.56	81.2	7.43	8	●
3 1/2"	350	100.9	3.56	93.8	8.53	8	●
4"	400	113.4	3.56	106.3	9.64	8	●

Dimensions in mm, nominal. 3.05 m with one coupling.

Metric steel conduit

Heavy gauge welded steel conduit for the BS / IEC markets: Gulf, Africa, UK and Europe. Threaded both ends, one coupler fitted.

Heavy gauge steel conduit, class 4

EN 61386-21 · BS 4568-1 · 16 to 32 mm · 4 sizes

CST-CD104



OD mm	Wall	ID	Thread	kg/m	Length m	Part number
16	1.4	13.2	M16 × 1.5	0.50	3.75	CST-CD104-16-HDG
20	1.6	16.8	M20 × 1.5	0.73	3.75	CST-CD104-20-HDG
25	1.6	21.8	M25 × 1.5	0.92	3.75	CST-CD104-25-HDG
32	1.6	28.8	M32 × 1.5	1.20	3.75	CST-CD104-32-HDG

Dimensions in mm, nominal. kg/m for steel without zinc.

- Welded steel tube, inside weld bead removed, smooth bore
- Hot-dip galvanized class 4 inside and out
- ISO metric thread, 1.5 mm pitch, both ends
- Classification 4434: heavy compression, heavy impact, -25 to +60 °C

Example part number

CST-CD104-20-HDG

Metric fittings · malleable iron or steel, hot-dip galvanized; brass male bush CD252 has no finish code · part number = family - OD - finish, e.g. **CST-CD256-20-HDG**

Coupler

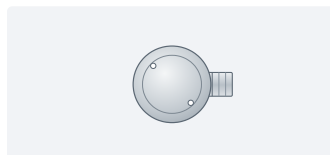
CST-CD251



Steel, HDG, metric thread both ends.

Circular box, terminal

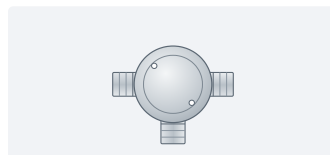
CST-CD253



One spout. Through CD254: two spouts in line.

Angle and tee box

CD255 / 256



Angle: two spouts at 90°. Tee: three spouts.

Spacer bar saddle

CST-CD258



Holds conduit 3 mm off the wall, two fixing holes.

Part	Product	16 mm	20 mm	25 mm	32 mm
CST-CD251	Coupler, threaded	●	●	●	●
CST-CD252	Male bush, brass	●	●	●	●
CST-CD253	Circular box, terminal (1-way)		●	●	●
CST-CD254	Circular box, through (2-way)		●	●	●
CST-CD255	Circular box, angle		●	●	●
CST-CD256	Circular box, tee (3-way)		●	●	●
CST-CD257	Circular box, 4-way		●	●	●
CST-CD258	Spacer bar saddle	●	●	●	●

EMT and fittings

Thin-wall unthreaded steel tubing for exposed and concealed runs in buildings. Joined with set-screw or compression fittings, bent on site.

Electrical metallic tubing, EMT

ANSI C80.3 · UL 797 · 1/2" to 4" · 10 sizes

CST-CD103



- Welded steel tube, 3.05 m, plain ends
- Pre-galvanized -PG as standard: zinc outside, protective coating inside
- Hot-dip galvanized -HDG and stainless 304 -SS304 on order
- Easy field bending with hand or hydraulic benders

Example part number

CST-CD103-075-PG

Finish · ● = part number made

Size	Code	OD	Wall	ID	kg/m	PG	HDG	SS304
1/2"	050	17.9	1.07	15.8	0.44	●	●	●
3/4"	075	23.4	1.24	20.9	0.68	●	●	●
1"	100	29.5	1.45	26.6	1.00	●	●	●
1 1/4"	125	38.4	1.65	35.1	1.49	●	●	●
1 1/2"	150	44.2	1.65	40.9	1.73	●	●	●
2"	200	55.8	1.65	52.5	2.20	●	●	●
2 1/2"	250	73.0	1.83	69.4	3.21	●	●	●
3"	300	88.9	1.83	85.2	3.93	●	●	●
3 1/2"	350	101.6	2.11	97.4	5.17	●	●	●
4"	400	114.3	2.11	110.1	5.83	●	●	●

Dimensions in mm, nominal. kg/m for steel.

EMT fittings · zinc alloy die cast to UL 514B, no finish code · part number = family - size code, e.g. **CST-CD224-100**

Set-screw coupling

CST-CD221



Indoor, dry locations. Zinc alloy die cast.

Compression coupling

CST-CD222



Raintight and concrete-tight. Gland nut and split ring.

Set-screw connector

CST-CD223



EMT into boxes and panels, with locknut.

Compression connector

CST-CD224



Raintight, insulated throat protects the cable.

Part	Product	1/2" 050	3/4" 075	1" 100	1 1/4" 125	1 1/2" 150	2" 200	2 1/2" 250	3" 300	3 1/2" 350	4" 400
CST-CD221	Set-screw coupling	●	●	●	●	●	●	●	●	●	●
CST-CD222	Compression coupling, raintight	●	●	●	●	●	●	●	●	●	●
CST-CD223	Set-screw connector	●	●	●	●	●	●	●	●	●	●
CST-CD224	Compression connector, insulated throat	●	●	●	●	●	●	●	●	●	●

Flexible steel conduit

For motor connections, vibrating equipment, transformers and the last metre into machines. Interlocked galvanized steel strip, bare or with a PVC jacket.

Flexible metal conduit, FMC

CST-CD111



- UL 1, galvanized steel strip, single interlock
- Dry locations; -PG finish
- Coils of 7.5 to 30 m

Size	Code	ID	OD	Coil m	Part number
3/8"	038	9.5	13.3	30	CST-CD111-038-PG
1/2"	050	15.9	19.8	30	CST-CD111-050-PG
3/4"	075	20.6	25.4	30	CST-CD111-075-PG
1"	100	25.4	31	15	CST-CD111-100-PG
1 1/4"	125	31.8	38.1	15	CST-CD111-125-PG
1 1/2"	150	38.1	44.5	15	CST-CD111-150-PG
2"	200	50.8	57.9	15	CST-CD111-200-PG
2 1/2"	250	63.5	71.4	7.5	CST-CD111-250-PG
3"	300	76.2	85	7.5	CST-CD111-300-PG
3 1/2"	350	88.9	98	7.5	CST-CD111-350-PG
4"	400	101.6	111	7.5	CST-CD111-400-PG

Liquid-tight flexible conduit, LFMC

CST-CD112



- UL 360, galvanized steel core, black PVC jacket
- Oil, water and sunlight resistant, -20 to +80 °C
- No finish code: PVC jacket

Size	Code	ID	OD	Coil m	Part number
3/8"	038	12.5	17.8	30	CST-CD112-038
1/2"	050	15.8	21	30	CST-CD112-050
3/4"	075	20.8	26.4	30	CST-CD112-075
1"	100	26.4	33	30	CST-CD112-100
1 1/4"	125	35.1	41.7	15	CST-CD112-125
1 1/2"	150	40.4	47.8	15	CST-CD112-150
2"	200	51.6	59.6	15	CST-CD112-200
2 1/2"	250	63.3	72.6	7.5	CST-CD112-250
3"	300	78.4	87.6	7.5	CST-CD112-300
3 1/2"	350	89.4	100.1	7.5	CST-CD112-350
4"	400	101.5	113	7.5	CST-CD112-400

Flexible conduit fittings · zinc alloy or steel, UL 514B, no finish code · part number = family - size code, e.g. **CST-CD231-075**

Liquid-tight connector

CST-CD231



Straight, with locknut and sealing ring.

Liquid-tight connector, 90°

CST-CD232



Elbow body for tight entries.

Insulated throat connector

CST-CD233



Nylon throat protects the cable.

Combination coupling

CST-CD228



Joins EMT to flexible conduit.

Part	Product	3/8" 038	1/2" 050	3/4" 075	1" 100	1 1/4" 125	1 1/2" 150	2" 200	2 1/2" 250
CST-CD231	Liquid-tight connector, straight	●	●	●	●	●	●	●	●
CST-CD232	Liquid-tight connector, 90°	●	●	●	●	●	●	●	●
CST-CD233	Liquid-tight connector, straight, insulated throat	●	●	●	●	●	●	●	●
CST-CD234	Flexible conduit connector, male thread	●	●	●	●	●	●	●	●

Fittings for RSC and IMC

NPT threaded fittings for rigid and intermediate conduit. Steel and malleable iron, hot-dip galvanized; stainless 316 where shown.

Factory elbow, 90° One-shot bend · 1/2" to 6" · threaded both ends

CST-CD203



- Bent from the same tube as CST-CD101, hot-dip galvanized
- Radius to NEC table 2 for one-shot and full-shoe bends
- 45° elbows CST-CD204 on the same sizes
- Stainless 316 -SS316 on order

Size	Radius R	Leg L	Part number
1/2"	102	38	CST-CD203-050-HDG
3/4"	114	38	CST-CD203-075-HDG
1"	146	48	CST-CD203-100-HDG
1 1/4"	184	51	CST-CD203-125-HDG
1 1/2"	210	51	CST-CD203-150-HDG
2"	241	51	CST-CD203-200-HDG
2 1/2"	267	76	CST-CD203-250-HDG
3"	330	81	CST-CD203-300-HDG
3 1/2"	381	83	CST-CD203-350-HDG
4"	406	86	CST-CD203-400-HDG
5"	610	92	CST-CD203-500-HDG
6"	762	100	CST-CD203-600-HDG

R = centreline radius · L = straight leg each end, mm. Part number = CST-CD203 - size code - finish; 45°: CST-CD204 - size code - HDG.

Example part number

CST-CD203-200-HDG

Threaded coupling

CST-CD201



Steel, HDG or 316, NPT both ends.

Running thread nipple

CST-CD202



Male to male joint for boxes and bodies.

Locknut

CST-CD205



Steel, sharp teeth bite through paint.

Thermoplastic bushing

CST-CD206



105 °C, protects cable at conduit ends.

Insulated metal bushing

CST-CD207



Malleable iron with 150 °C liner.

Insulated grounding bushing

CST-CD208



Lay-in lug for bonding to UL 467.

Sizes made · part number = family - size code - finish, e.g. **CST-CD207-200-HDG**; thermoplastic CD206 has no finish code

Part	Product	1/2" 050	3/4" 075	1" 100	1 1/4" 125	1 1/2" 150	2" 200	2 1/2" 250	3" 300	3 1/2" 350	4" 400	5" 500	6" 600
CST-CD201	Threaded coupling	●	●	●	●	●	●	●	●	●	●	●	●
CST-CD202	Running thread nipple	●	●	●	●	●	●	●	●	●	●		
CST-CD205	Locknut	●	●	●	●	●	●	●	●	●	●	●	●
CST-CD206	Thermoplastic bushing, 105 °C	●	●	●	●	●	●	●	●	●	●	●	●
CST-CD207	Insulated metal bushing	●	●	●	●	●	●	●	●	●	●	●	●
CST-CD208	Insulated grounding bushing	●	●	●	●	●	●	●	●	●	●	●	●

More fittings and conduit bodies

Reducers, plugs, unions and conduit bodies for RSC and IMC, factory elbows and pull elbows for EMT.

Reducing nipple

CST-CD209



Male x male, larger x smaller size.

Reducing coupling

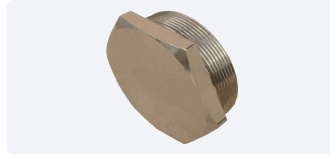
CST-CD210



Female x female.

Closing plug

CST-CD211



Hexagon head, closes unused entries.

Union coupling

CST-CD212



Joins two fixed conduits without turning them.

Conduit body

CD213-215



Types C, LB and T. Malleable iron, gasketed cover.

Pull elbow with cover

CST-CD227



EMT set-screw entry, removable cover.

EMT elbow 90°

CST-CD225



Factory bend from CST-CD103 tube.

EMT elbow 45°

CST-CD226



Same radius as the 90° elbow.

Reducers · hot-dip galvanized

Sizes	Reducing nipple	Reducing coupling
3/4" x 1/2"	CST-CD209-075-050-HDG	CST-CD210-075-050-HDG
1" x 3/4"	CST-CD209-100-075-HDG	CST-CD210-100-075-HDG
1 1/4" x 1"	CST-CD209-125-100-HDG	CST-CD210-125-100-HDG
1 1/2" x 1 1/4"	CST-CD209-150-125-HDG	CST-CD210-150-125-HDG
2" x 1 1/2"	CST-CD209-200-150-HDG	CST-CD210-200-150-HDG

EMT elbows · R = centreline radius, mm

Size	Radius R	Part number 90°	Part number 45°
1/2"	102	CST-CD225-050-PG	CST-CD226-050-PG
3/4"	114	CST-CD225-075-PG	CST-CD226-075-PG
1"	146	CST-CD225-100-PG	CST-CD226-100-PG
1 1/4"	184	CST-CD225-125-PG	CST-CD226-125-PG
1 1/2"	210	CST-CD225-150-PG	CST-CD226-150-PG
2"	241	CST-CD225-200-PG	CST-CD226-200-PG
2 1/2"	267	CST-CD225-250-PG	CST-CD226-250-PG
3"	330	CST-CD225-300-PG	CST-CD226-300-PG
3 1/2"	381	CST-CD225-350-PG	CST-CD226-350-PG
4"	406	CST-CD225-400-PG	CST-CD226-400-PG

Sizes made

Part	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"
CST-CD211	●	●	●	●	●	●	●	●		
CST-CD212	●	●	●	●	●	●	●	●	●	●
CST-CD213	●	●	●	●	●	●	●	●		
CST-CD214	●	●	●	●	●	●	●	●		
CST-CD215	●	●	●	●	●	●	●	●		
CST-CD227	●	●	●	●	●					
CST-CD228	●	●	●	●	●	●				

Rigid fittings: part number = family - size code - HDG, e.g. **CST-CD214-100-HDG**.
 CD227 / CD228 are zinc alloy: no finish code.

Straps, hangers and clamps

Supports for every conduit type, from the wall, ceiling, strut channel or steel beam.

One-hole strap

CST-CD241



Pressed steel, one screw.

Two-hole strap

CST-CD242



Pressed steel, two screws.

Conduit hanger

CST-CD243



With bolt and nut, for M8 / M10 rod.

Strut clamp

CST-CD244



For 41 mm strut channel, with bolt.

Beam clamp

CST-CD245



Malleable iron, for flanges to 20 mm.

U-bolt

CST-CD246



Round bend, two nuts, M6 to M12.

Cushioned clamp

CST-CD247



Rubber lined, M8 / M10 boss.

P-clamp

CST-CD248



Rubber lined, one screw.

Sizes made · part number = family - size code - finish, e.g. **CST-CD242-075-PG**

Part	Product	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"
CST-CD241	One-hole strap	●	●	●	●	●	●	●	●	●	●		
CST-CD242	Two-hole strap	●	●	●	●	●	●	●	●	●	●		
CST-CD243	Conduit hanger with bolt	●	●	●	●	●	●	●	●	●	●	●	●
CST-CD244	Strut clamp, for 41 mm channel	●	●	●	●	●	●	●	●	●	●	●	●
CST-CD245	Beam clamp, malleable iron	●	●	●	●	●	●						
CST-CD246	U-bolt with nuts	●	●	●	●	●	●	●	●	●	●	●	●
CST-CD247	Cushioned pipe clamp, rubber lined, M8/M10	●	●	●	●	●	●	●	●	●	●	●	●
CST-CD248	P-clamp, rubber lined	●	●	●	●	●	●						

Finishes made

Part	Product	PG	HDG	SS304	SS316
CST-CD241	One-hole strap	●	●		●
CST-CD242	Two-hole strap	●	●		●
CST-CD243	Conduit hanger with bolt	●	●		
CST-CD244	Strut clamp, for 41 mm channel	●	●		●
CST-CD245	Beam clamp, malleable iron		●		
CST-CD246	U-bolt with nuts		●		●
CST-CD247	Cushioned pipe clamp, rubber lined, M8/M10	●		●	
CST-CD248	P-clamp, rubber lined	●		●	

Maximum support spacing · metres, NEC 344.30 / 358.30

Trade size	RSC / IMC	EMT
1/2 - 3/4"	3	3
1"	3.7	3
1 1/4 - 1 1/2"	4.3	3
2 - 2 1/2"	4.9	3
3 and larger"	6.1	3

Also fix within 0.9 m of every box, cabinet and fitting. Local rules may ask for closer spacing.



PRODUCT CATALOGUE 2026

Steel Conduit Systems

ADDRESS

Cerkesli Mah. Tavsancil Sok. No 72
Dilovasi, Kocaeli, Turkey

PHONE

+90 552 520 40 10

EMAIL

casksteel@caskelectric.com

WEBSITE

www.caskelectric.com

